5 Power Module

NOTICE

- Power modules in a chassis must have the same power and same heat dissipation mode.
- A switch must use the power modules it supports. Using unsupported power modules may bring unknown risks to the switch.
- When two power modules work in 1+1 backup mode, you can hot swap one of them.
- If only one power module is installed, install a filler panel in the vacant power module slot.
- Before powering off a switch, turn off both power modules.

5.1 150 W AC Power Module (PAC150S12-R)
5.2 180 W DC Power Module (PDC180S12-CR)
5.3 350 W DC Power Module (PDC-350WA)
5.4 350 W DC Power Module (PDC350S12)
5.5 600 W AC Power Module (PAC-600WA)
5.6 600 W AC Power Module (PAC-600WD)
5.7 600 W AC Power Module (PAC600S12)
5.8 600 W AC Power Module (PAC600S12-D)
5.9 600 W AC Power Module (PAC600S12-E)
5.10 600 W AC&240 V DC Power Module
5.11 600 W AC&240 V DC Power Module (PAC600S12)
5.12 600 W High-Voltage DC Power Module
5.13 600 W DC Power Module (PDC600S12)
5.14 1000 W DC Power Module (PDC1000S12)

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5.15 1200 W AC&240 V DC Power Module (PAC-1K2WA)

5.16 1200 W Power Module (PAC1K2S12-B)

5.17 1200 W AC&240 V DC Power Module (PAC1K2S12-C)

5.18 PAC1K2S12-CB (1200W AC&240V DC Power Module (Back to Front,Power panel side air-out))

5.19 PAC1K2S12-CF (1200W AC&240V DC Power Module (Front to Back,Power panel side intake))

5.20 PAC1K2S12-PB (1200W AC&240V DC Power Module (Back to Front,Power panel side exhaust))

5.21 PAC1K2S12-PF (1200W AC&240V DC Power Module (Front to Back,Power panel side intake))

5.22 PAC600S12-PB (600W AC Power Module(Back to Front, Power panel side exhaust))

5.23 PAC600S12-PF (600W AC Power Module(Front to Back, Power panel side intake))

5.24 1200 W High-voltage DC Power Module (PHD-1K2WA)

5.25 1200 W High-Voltage DC Power Module (PHD1K2S12-DB)

5.26 1200 W DC Power Module (PDC-1K2WA)

5.27 1200 W DC Power Module (PDC1K2S12-D)

5.28 PDC1K2S12-PB (1200W DC Power Module (Front to Back ,Power panel side intake))

5.29 PDC1K2S12-CE (1200W DC Power Module (Back to Front,Power panel side exhaust))

5.1 150 W AC Power Module (PAC150S12-R)

Version Mapping

Table 5-1 describes the mapping between switch models and the PAC150S12-R.

Table 5-1 Version mapping

Switch Model	PAC-150WA
CE5855E-48T4S2Q	Supported in V200R020C10 version and later versions
CE5855F-48T4S2Q	Supported in V200R021C00 and later versions
Other models	Not supported

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Appearance

Figure 5-1 shows the appearance of the PAC150S12-R.

Figure 5-1 PAC150S12-R



Function

Table 5-2 describes the functions of the PAC150S12-R.

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Table 5-2 Functions of the PAC150S12-R

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Hot swap		Supported

NOTE

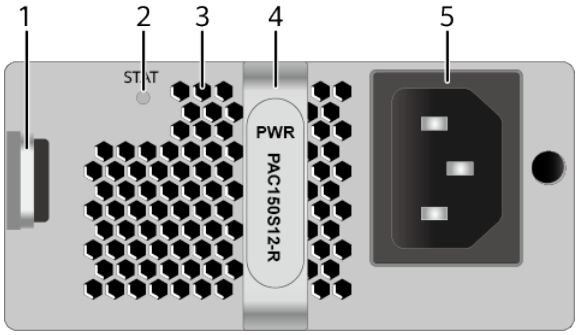
When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-2 shows the panel of the PAC150S12-R.

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Figure 5-2 PAC150S12-R panel



1. Lock	2. Indicator	3. Air vent	4. Handle
5. AC power socket	-	-	-

Table 5-3 describes the indicator on the PAC150S12-R panel.

Table 5-3 Indicator description

Indicator	Color	Description
STATUS: power indicator	Green	• Off: The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, undervoltage or overtemperature). • Steady on: The power module is working normally. • Blinking: The output power is out of range, for example, overvoltage, overcurrent, or short circuit occurs.

Specifications

Table 5-4 lists technical specifications of the PAC150S12-R.

Table 5-4 Technical specifications

Item	PAC150S12-R
Dimensions (H x W x D)	40 mm x 90 mm x 215 mm (1.6 in. x 3.5 in. x 8.5 in.)
Weight	0.8 kg (1.76 lb)
Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz

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Item	PAC150S12-R
Maximum input voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum input current	3 A
Maximum output current	12.5 A
Rated output voltage	12 V
Rated output power	150 W
Part number	02312DUY

5.2 180 W DC Power Module (PDC180S12-CR)

Version Mapping

Table 5-5 describes the mapping between switch models and the PDC180S12-CR.

Table 5-5 Version mapping

Switch Model	PAC-150WA
CE5855E-48T4S2Q	Supported in V200R020C10 version and later versions
CE5855F-48T4S2Q	Supported in V200R021C00 and later versions
Other models	Not supported

Appearance

Figure 5-3 shows the appearance of the PDC180S12-CR.

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Figure 5-3 PDC180S12-CR



Function

Table 5-6 describes the functions of the PDC180S12-CR.

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Table 5-6 Functions of the PDC180S12-CR

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Hot swap		Supported

NOTE

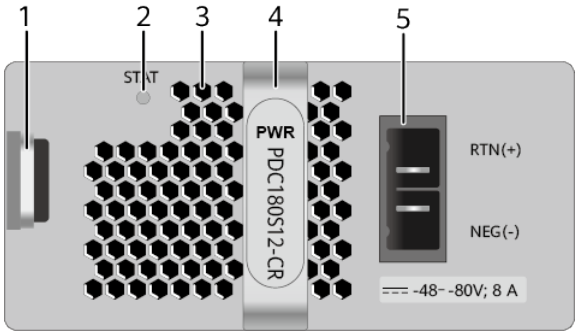
When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-4 shows the panel of the PDC180S12-CR.

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Figure 5-4 PDC180S12-CR panel



1. Lock	2. Indicator	3. Air vent	4. Handle
5. DC power socket	-	-	-

Table 5-7 describes the indicator on the PDC180S12-CR panel.

Table 5-7 Indicator description

Indicator	Color	Description
STATUS: power indicator	Green	• Off: The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, undervoltage or overtemperature). • Steady on: The power module is working normally. • Blinking: The output power is out of range, for example, overvoltage, overcurrent, or short circuit occurs.

Specifications

Table 5-8 lists technical specifications of the PDC180S12-CR.

Table 5-8 Technical specifications

Item	PDC180S12-CR
Dimensions (H x W x D)	40 mm x 90 mm x 215 mm (1.6 in. x 3.5 in. x 8.5 in.)
Weight	0.62 kg (1.37 lb)
Rated input voltage range	-48 V DC to -60 V DC

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Item	PDC180S12-CR
Maximum input voltage range	-38.4 V DC to -72 V DC
Maximum input current	6 A
Maximum output current	15 A
Rated output voltage	12 V
Rated output power	180 W
Part number	02312VRE

5.3 350 W DC Power Module (PDC-350WA)

Version Mapping

350 W DC power modules include PDC-350WA-B (B: back-to-front airflow, air exhaust on power module panel) and PDC-350WA-F (F: front-to-back airflow, air intake on power module panel).

Table 5-9 describes the mapping between switch models and 350 W DC power modules.

Table 5-9 Version mapping

Switch Model	PDC-350WA-B	PDC-350WA-F
CE6870-48S6CQ-EI	Supported in V200R001C00 version and later versions	Supported in V200R001C00 version and later versions
CE6865-48S8CQ-EI	Supported in V200R005C00 version and later versions	Supported in V200R005C00 version and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-5 shows the appearance of a PDC-350WA-B power module, and Figure 5-6 shows the appearance of a PDC-350WA-F power module.

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Figure 5-5 PDC-350WA-B power module



Figure 5-6 PDC-350WA-F power module



Function

PDC-350WA-B and PDC-350WA-F power modules use different airflow designs but have the same functions. **Table 5-10** describes the functions of a 350 W DC power module.

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Table 5-10 Functions of a 350 W DC power module

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PDC-350WA-B: back-to-front airflow • PDC-350WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-7 and **Figure 5-8** show the panel of a 350 W DC power module.

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Figure 5-7 Panel of a PDC-350WA-B DC power module

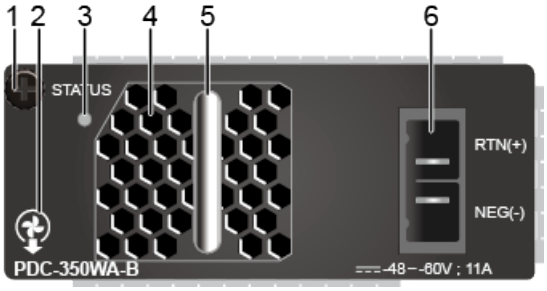
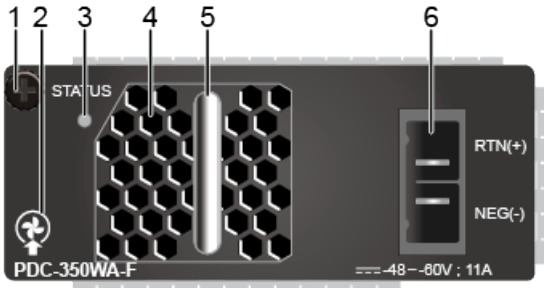


Figure 5-8 Panel of a PDC-350WA-F DC power module



1. Captive screw	2. Airflow flag • : back-to-front airflow • : front-to-back airflow	3. Indicator	4. Fan air vent
5. Handle	6. DC power socket	-	-

Table 5-11 describes the indicator on the 350 W DC power module panel.

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Table 5-11 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-12 lists technical specifications of 350 W DC power modules.

Table 5-12 Technical specifications

Item	PDC-350WA-B	PDC-350WA-F
Dimensions (W x D x H)	100 mm x 205 mm x 40 mm (3.9 in. x 8.1 in. x 1.6 in.)	
Weight	0.72 kg (1.59 lb)	
Rated input voltage	-48 V DC to -60 V DC	
Maximum input voltage	-38.4 V DC to -72 V DC	
Rated input current	11 A	
Rated output current	29.17 A	
Rated output voltage	12 V	
Rated output power	350 W	
Part Number	02310PQN	02310PQP

5.4 350 W DC Power Module (PDC350S12)

Version Mapping

350 W DC Power Modules are classified into two types depending on the airflow designs: PDC350S12-CB (back-to-front airflow, air exhaust on power module panel) and PDC350S12-CF (F: front-to-back airflow, air intake on power module panel).

Table 5-13 describes the mapping between switch models and 350 W DC Power Modules.

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Table 5-13 Version mapping

Switch Model	PDC350S12-CB	PDC350S12-CF
CE6857-48S6CQ-EI	Supported in V200R005C10 and later versions	Supported in V200R005C10 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-9 shows the appearance of a PDC350S12-CB power module, and Figure 5-10 shows the appearance of a PDC350S12-CF power module.

Figure 5-9 PDC350S12-CB power module



Figure 5-10 PDC350S12-CF power module



Function

PDC350S12-CB and PDC350S12-CF power modules use different airflow designs but have the same functions. Table 5-14 describes the functions of them.

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Table 5-14 Functions of 350 W DC Power Modules

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PDC350S12-CB: back-to-front airflow • PDC350S12-CF: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-11 and **Figure 5-12** show the panels of 350 W DC power modules.

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Figure 5-11 PDC350S12-CB panel

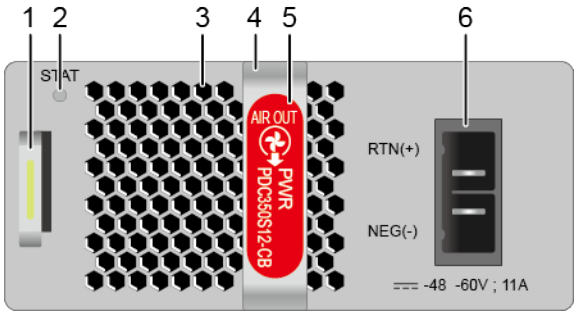
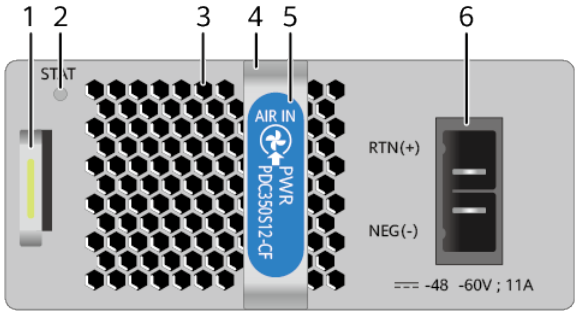


Figure 5-12 PDC350S12-CF panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 350 W DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

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Table 5-15 describes the indicator on the 350 W DC power module panel.

Table 5-15 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-16 lists technical specifications of 350 W DC power modules.

Table 5-16 Technical specifications

Item	PDC350S12-CB	PDC350S12-CF
Dimensions (W x D x H)	99.0 mm x 215.0 mm x 39.8 mm (3.5 in. x 8.5 in. x 1.6 in.)	
Weight	0.9 kg (1.98 lb)	
Rated input voltage	-48 V DC to -60 V DC	
Maximum input voltage	—38.4 V DC to —72 V DC	
Rated input current	11 A	
Rated output current	29.17 A	
Rated output voltage	12 V	
Rated output power	350 W	
Part Number	02312GCH	02312EKC

5.5 600 W AC Power Module (PAC-600WA)

Version Mapping

600 W AC power modules include PAC-600WA-B (B: back-to-front airflow, air exhaust on power module panel) and PAC-600WA-F (F: front-to-back airflow, air intake on power module panel).

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Table 5-17 describes the mapping between switch models and 600 W AC power modules.

Table 5-17 Version mapping

Switch Model	PAC-600WA-B	PAC-600WA-F
CE6870-48S6CQ-EI	Supported in V200R001C00 version and later versions	Supported in V200R001C00 version and later versions
CE6870-48T6CQ-EI CE8850-32CQ-EI	Supported in V200R002C50 version and later versions	Supported in V200R002C50 version and later versions
CE6865-48S8CQ-EI	Supported in V200R005C00 version and later versions	Supported in V200R005C00 version and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-13 shows the appearance of a PAC-600WA-B power module, and Figure 5-14 shows the appearance of a PAC-600WA-F power module.

Figure 5-13 PAC-600WA-B power module



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Figure 5-14 PAC-600WA-F power module



Function

PAC-600WA-B and PAC-600WA-F power modules use different airflow designs but have the same functions. **Table 5-18** describes the functions of a 600 W AC power module.

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Table 5-18 Functions of a 600 W AC power module

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC-600WA-B: back-to-front airflow • PAC-600WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the temperature of the power module. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-15 and **Figure 5-16** show the panels of 600 W AC power modules.

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Figure 5-15 PAC-600WA-B panel

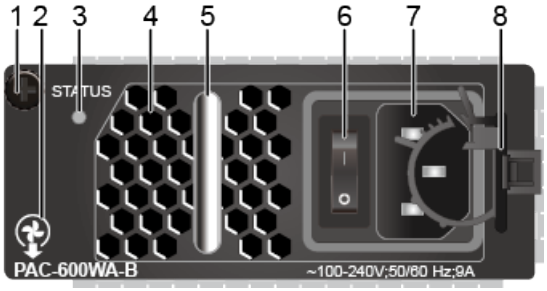
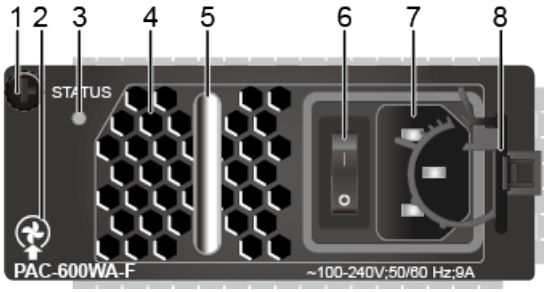


Figure 5-16 PAC-600WA-F panel



1. Captive screw	2. Ventilation channel flag • : back-to-front airflow • : front-to-back airflow	3. Indicator	4. Fan air vent
5. Handle	6. Power switch	7. AC power socket	8. AC terminal locking latch

Table 5-19 describes the indicator on the 600 W AC power module panel.

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Table 5-19 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-20 lists technical specifications of 600 W AC power modules.

Table 5-20 Technical specifications of 600 W AC power modules

Item	PAC-600WA-B	PAC-600WA-F
Dimensions (W x D x H)	100 mm x 205 mm x 40 mm (3.9 in. x 8.1 in. x 1.6 in.)	
Weight	1 kg (2.20 lb)	
Rated input voltage	100 V AC-240 V AC, 50/60 Hz	
Maximum input voltage	90 V AC-290 V AC, 47 Hz-63 Hz	
Rated input current	9 A	
Rated output current	50 A	
Rated output voltage	12 V	
Rated output power	600 W	
Part Number	02310PMH	02310PMJ

5.6 600 W AC Power Module (PAC-600WD)

Version Mapping

600 W AC power modules include PAC-600WD-B (B: back-to-front airflow, air exhaust on power module panel) and PAC-600WD-F (F: front-to-back airflow, air intake on power module panel).

Table 5-21 describes the mapping between switch models and 600 W AC power modules.

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Table 5-21 Version mapping

Switch Model	PAC-600WD-B	PAC-600WD-F
CE6870-48S6CQ-EI CE6870-48T6CQ-EI	• Supported by V200R005SPH029 and later patches in V200R005C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH029 and later patches in V200R005C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE6865-48S8CQ-EI	• Supported by V200R005SPH029 and later patches in V200R005C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC900. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH029 and later patches in V200R005C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC800, and V200R019SPH009 and later patches in V200R019C10SPC900. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-17 shows the appearance of a PAC-600WD-B power module, and **Figure 5-18** shows the appearance of a PAC-600WD-F power module.

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Figure 5-17 PAC-600WD-B power module



Figure 5-18 PAC-600WD-F power module



Function

PAC-600WD-B and PAC-600WD-F power modules use different airflow designs but have the same functions. **Table 5-22** describes the functions of a 600 W AC power module.

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Table 5-22 Functions of a 600 W AC power module

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC-600WD-B: back-to-front airflow • PAC-600WD-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the temperature of the power module. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-19 and **Figure 5-20** show the panels of 600 W AC power modules.

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Figure 5-19 PAC-600WD-B panel

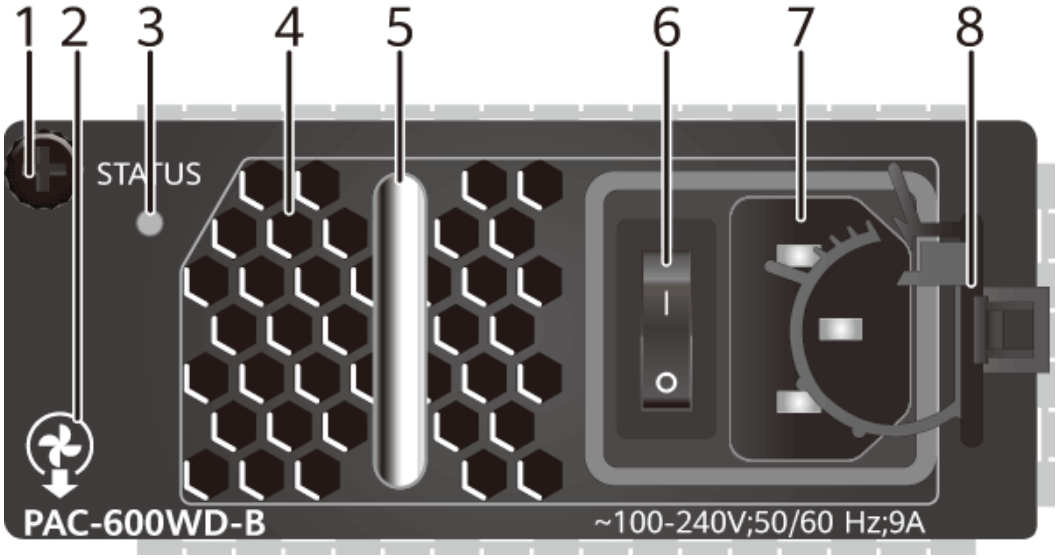
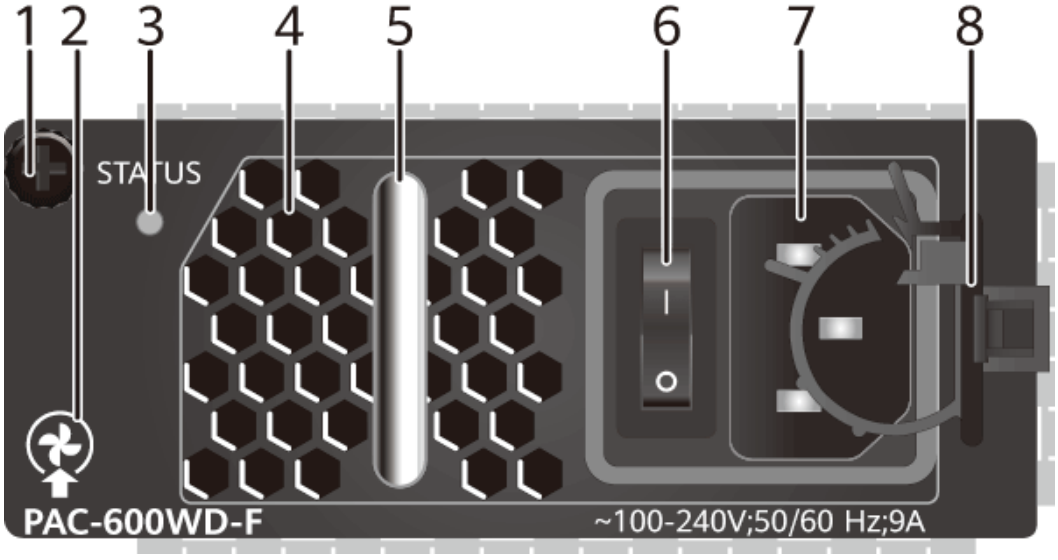


Figure 5-20 PAC-600WD-F panel



1. Captive screw	2. Ventilation channel flag • : back-to-front airflow • : front-to-back airflow	3. Indicator	4. Fan air vent

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5. Handle	6. Power switch	7. AC power socket	8. AC terminal locking latch

Table 5-23 describes the indicator on the 600 W AC power module panel.

Table 5-23 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-24 lists technical specifications of 600 W AC power modules.

Table 5-24 Technical specifications

Item	PAC-600WD-B	PAC-600WD-F
Dimensions without packaging (H x W x D) [mm (in.)]	90.0mm x 205mm x 40mm (3.5 in. x 8.1 in. x 1.6 in.)	
Weight without packaging [kg (lb)]	0.9 kg (1.98 lb)	
Rated input voltage [V]	100V AC to 240V AC, 50/60Hz	
Maximum Input voltage [V]	AC: 90V AC to 290V AC, 45Hz to 65Hz HVDC: 192V DC to 288V DC	
Rated input current [A]	9A (100V AC to 240V AC)	
Rated output voltage [V]	12V	
Rated output current [A]	50A	
Rated output power [W]	600W	
Hot swapping	Supported	
Part Number	02131743	02131742

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5.7 600 W AC Power Module (PAC600S12)

Version Mapping

600 W AC power modules include PAC600S12-B (B: back-to-front airflow, air exhaust on power module panel) and PAC600S12-F (F: front-to-back airflow, air intake on power module panel).

Table 5-25 describes the mapping between switch models and 600 W AC power modules.

Table 5-25 Version mapping

Switch Model	PAC600S12-B	PAC600S12-F
CE6857-48S6CQ-EI	Supported in V200R005C10 version and later versions	Supported in V200R005C10 version and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-21 shows the appearance of a PAC600S12-B power module, and Figure 5-22 shows the appearance of a PAC600S12-F power module.

Figure 5-21 PAC600S12-B power module



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Figure 5-22 PAC600S12-F power module



Function

PAC600S12-B and PAC600S12-F power modules use different airflow designs but have the same functions. **Table 5-26** describes the functions of a 600 W AC power module.

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Table 5-26 Functions of a 600 W AC power module

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC600S12-B: back-to-front airflow • PAC600S12-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the temperature of the power module. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-23 and **Figure 5-24** show the panels of 600 W AC power modules.

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Figure 5-23 PAC600S12-B panel

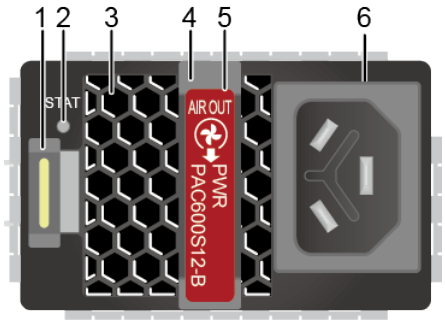
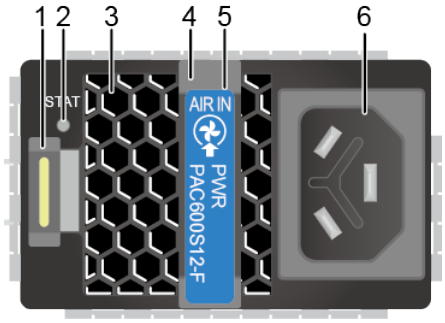


Figure 5-24 PAC600S12-F panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 600 W AC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-27 describes the indicator on the 600 W AC power module panel.

Table 5-27 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-28 lists technical specifications of 600 W AC power modules.

Table 5-28 Technical specifications of 600 W AC power modules

Item	PAC600S12-B	PAC600S12-F
Dimensions (W x D x H)	90 mm x 215 mm x 39.8 mm (3.5 in. x 8.5 in. x 1.6 in.)	
Weight	0.9 kg (1.98 lb)	
Rated input voltage	100 V AC-240 V AC, 50/60 Hz	
Maximum input voltage	90 V AC-290 V AC, 47 Hz-63 Hz	

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Item	PAC600S12-B	PAC600S12-F
Rated input current	9 A	
Rated output current	50 A	
Rated output voltage	12 V	
Rated output power	600 W	
Part Number	02312DUP	02312EJQ

5.8 600 W AC Power Module (PAC600S12-D)

Version Mapping

600 W AC power modules include PAC600S12-DB (B: back-to-front airflow, air exhaust on power module panel) and PAC600S12-DF (F: front-to-back airflow, air intake on power module panel).

Table 5-29 describes the mapping between switch models and 600 W AC Power Module.

Table 5-29 Version mapping

Switch Model	PAC600S12-DB	PAC600S12-DF
CE6820-48S6CQ	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE6863-48S6CQ CE6863-48S6CQ-K	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions

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Switch Model	PAC600S12-DB	PAC600S12-DF
CE6881-48S6CQ CE6881-48S6CQ-K CE6881E-48S6CQ	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R019SPH007 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE6881-48T6CQ CE6881-48T6CQ-K	• Supported by V200R020SPH005 and later patches in V200R020C00SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R020SPH005 and later patches in V200R020C00SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE6857E-48S6CQ CE6857E-48T6CQ	• Supported in V200R020C10SPC600 and later versions	• Supported in V200R020C10SPC600 and later versions
CE6857F-48S6CQ CE6857F-48T6CQ CE6863E-48S6CQ CE6865E-48S8CQ	• Supported in V200R021C00SPC200 and later versions	• Supported in V200R021C00SPC200 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-25 shows the appearance of the PAC600S12-DB power module, and **Figure 5-26** shows the appearance of the PAC600S12-DF power module.

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Figure 5-25 PAC600S12-DB power module



Figure 5-26 PAC600S12-DF power module



Function

PAC600S12-DB and PAC600S12-DF power modules use different airflow designs but have the same functions. **Table 5-30** describes the functions of them.

Table 5-30 Functions of a 600 W AC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.

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Function		Description
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC600S12-DB: back-to-front airflow • PAC600S12-DF: front-to-back airflow
Hot swap		Supported

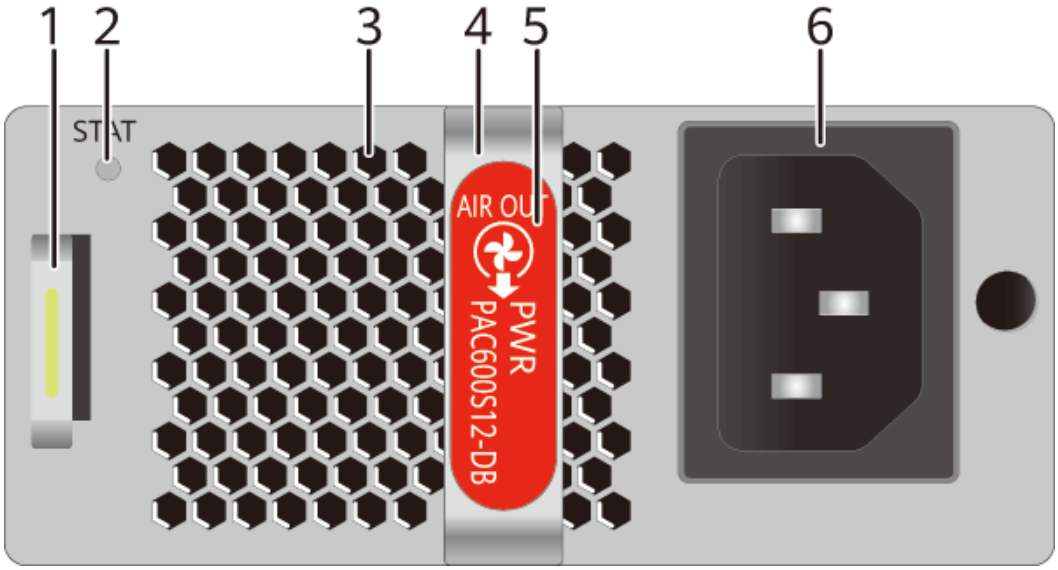
NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

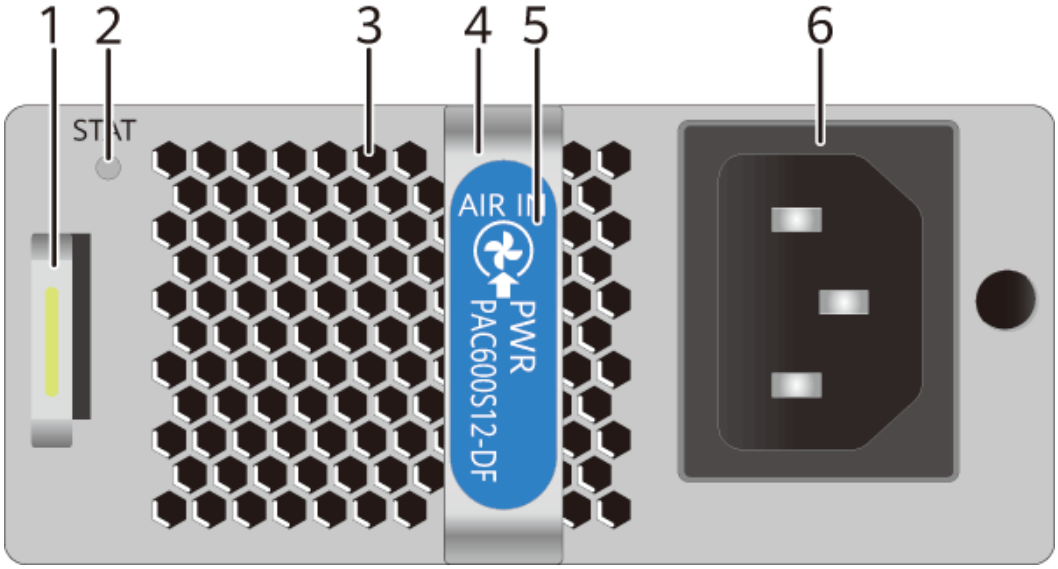
Figure 5-27 and Figure 5-28 show the panels of 600 W AC power modules.

Figure 5-27 Panel of the PAC600S12-DB power module



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Figure 5-28 Panel of the PAC600S12-DF power module



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

Table 5-31 describes the indicator on the panel of a 600 W AC power module.

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Table 5-31 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Steady off	The power input is abnormal (for example, no input or undervoltage), or the power output is abnormal (for example, overvoltage or undervoltage).
		Steady on	The power module is working properly.
		Blinking	The power output is abnormal (for example, overcurrent or short circuit).

Specifications

Table 5-32 lists technical specifications of 600 W AC power modules.

Table 5-32 Technical specifications

Item	PAC600S12-DB	PAC600S12-DF
Dimensions without packaging (H x W x D) [mm (in.)]	90.0mm x 205mm x 40mm (3.5 in. x 8.1 in. x 1.6 in.)	
Weight without packaging [kg (lb)]	0.95 kg (2.09 lb)	
Rated input voltage [V]	100V AC to 240V AC, 50/60Hz 240V DC	
Maximum Input voltage [V]	AC: 90V AC to 290V AC, 45Hz to 65Hz HVDC: 190V DC to 290V DC	
Rated input current [A]	• 8A (100V AC to 240V AC) • 4A (240V DC)	
Rated output voltage [V]	12V	
Rated output current [A]	50A	
Rated output power [W]	600W	
Hot swapping	Supported	
Part Number	02131740	02131741

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5.9 600 W AC Power Module (PAC600S12-E)

Version Mapping

600 W AC power modules include PAC600S12-EB (B: back-to-front airflow, air exhaust on power module panel) and PAC600S12-EF (F: front-to-back airflow, air intake on power module panel).

Table 5-33 describes the mapping between switch models and 600 W AC Power Module.

Table 5-33 Version mapping

Switch Model	PAC600S12-EB	PAC600S12-EF
CE6820-48S6CQ	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions
CE6881-48S6CQ CE6881-48S6CQ-K	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800, and V200R020SPH008 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800, and V200R020SPH008 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions
CE6881E-48S6CQ	• Supported by V200R019SPH017 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R019SPH017 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions

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Switch Model	PAC600S12-EB	PAC600S12-EF
CE6881-48T6CQ CE6881-48T6CQ-K	• Supported by V200R020SPH015 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R020SPH015 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions
CE6863-48S6CQ CE6863-48S6CQ-K	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R019HP0015 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions
CE6857E-48S6CQ	• Supported by V200R020SPH015 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R020SPH015 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions
CE6857E-48T6CQ	• Supported by V200R020SPH008 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions	• Supported by V200R020SPH008 and later patches in V200R020C10SPC600. You are advised to load the latest patch corresponding to the target version • Supported in V200R021C00SPC200 and later versions

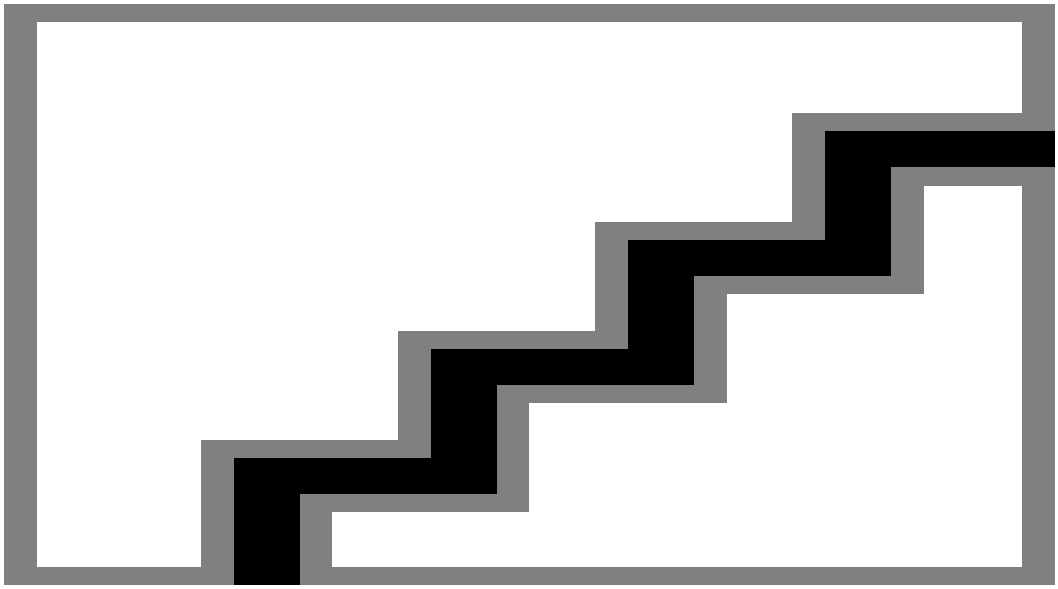
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Switch Model	PAC600S12-EB	PAC600S12-EF
CE6857F-48S6CQ CE6857F-48T6CQ CE6863E-48S6CQ CE6865E-48S8CQ	Supported in V200R021C00SPC200 and later versions	Supported in V200R021C00SPC200 and later versions
CE8850E-32CQ-EI	Supported in V200R021C10 and later versions	Supported in V200R021C10 and later versions
Other models	Not supported	Not supported

Appearance

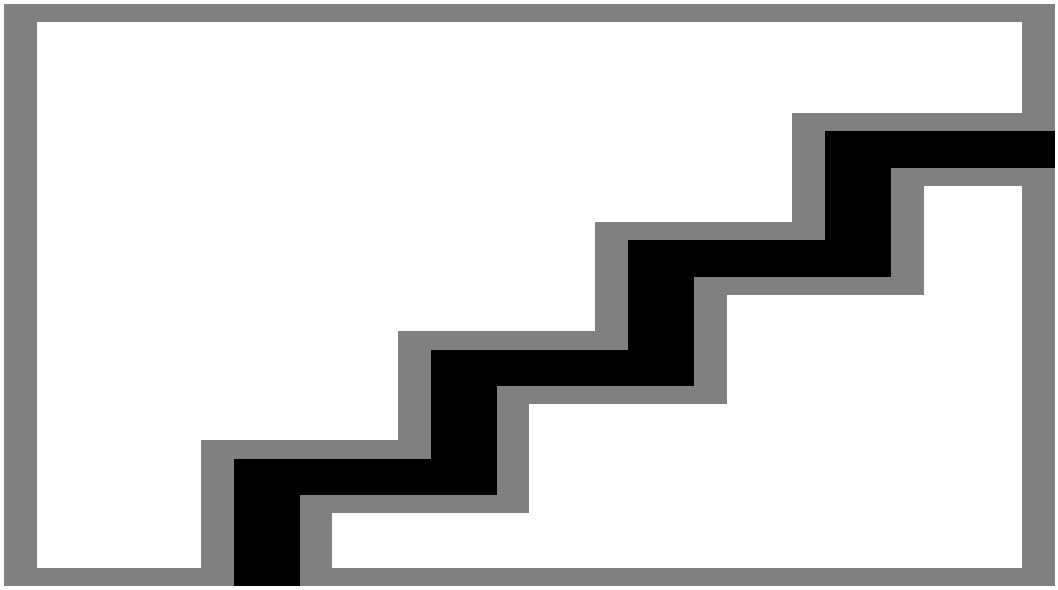
Figure 5-29 shows the appearance of the PAC600S12-EB power module, and Figure 5-30 shows the appearance of the PAC600S12-EF power module.

Figure 5-29 PAC600S12-EB power module



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Figure 5-30 PAC600S12-EF power module



Function

PAC600S12-EB and PAC600S12-EF power modules use different airflow designs but have the same functions. **Table 5-34** describes the functions of them.

Table 5-34 Functions of a 600 W AC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.

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Function	Description
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	• PAC600S12-EB: back-to-front airflow • PAC600S12-EF: front-to-back airflow
Hot swap	Supported

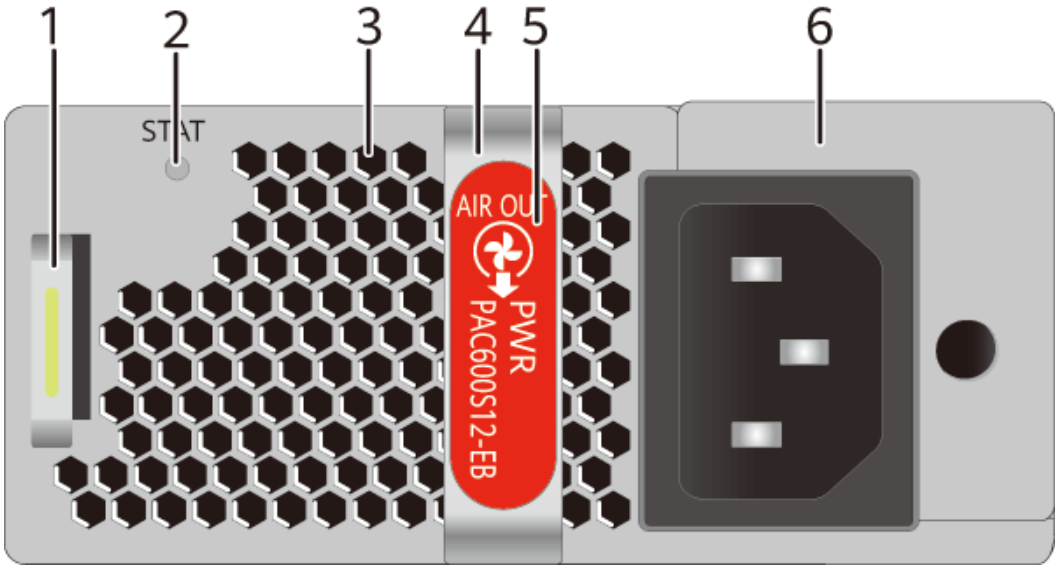
NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

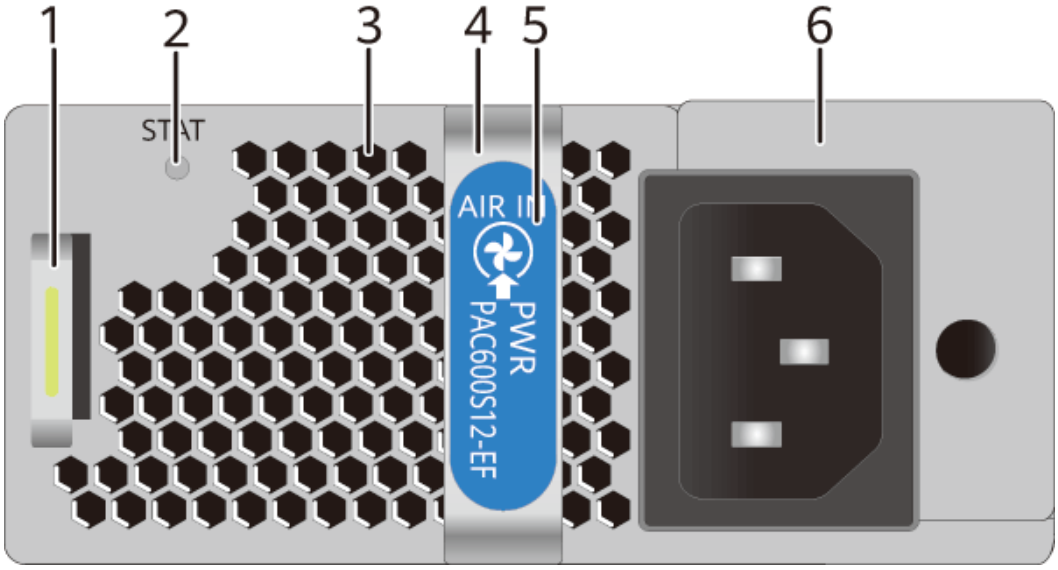
Figure 5-31 and Figure 5-32 show the panels of 600 W AC power modules.

Figure 5-31 Panel of the PAC600S12-EB power module



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Figure 5-32 Panel of the PAC600S12-EF power module



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

Table 5-35 describes the indicator on the panel of a 600 W AC power module.

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Table 5-35 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Steady off	The power input is abnormal (for example, no input or undervoltage), or the power output is abnormal (for example, overvoltage or undervoltage).
		Steady on	The power module is working properly.
		Blinking	The power output is abnormal (for example, overcurrent or short circuit).

Specifications

Table 5-36 lists technical specifications of 600 W AC power modules.

Table 5-36 Technical specifications

Item	PAC600S12-EB	PAC600S12-EF
Dimensions without packaging (H x W x D) [mm (in.)]	90.0mm x 205mm x 40mm (3.5 in. x 8.1 in. x 1.6 in.)	
Weight without packaging [kg (lb)]	0.985 kg (2.17 lb)	
Rated input voltage [V]	100V AC to 240V AC, 50/60Hz 240V DC	
Maximum Input voltage [V]	AC: 90V AC to 290V AC, 45Hz to 65Hz HVDC: 190V DC to 290V DC	
Rated input current [A]	• 8A (100V AC to 240V AC) • 4A (240V DC)	
Rated output voltage [V]	12V	
Rated output current [A]	50A	
Rated output power [W]	600W	
Hot swapping	Supported	
Part Number	02312FFU-002	02313RMT

5.10 600 W AC&240 V DC Power Module

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Version Mapping

600 W AC&240 V DC power modules can receive AC inputs or 240 V high-voltage inputs. They are classified into two types depending on the airflow designs: PAC-600WB-B (back-to-front airflow, air exhaust on power module panel) and PAC-600WB-F (F: front-to-back airflow, air intake on power module panel).

Table 5-37 describes the mapping between switch models and 600 W AC&240 V DC power modules.

Table 5-37 Version mapping

Switch Model	PAC-600WB-B	PAC-600WB-F
CE6856-48T6Q-HI	Supported in V200R002C50 and later versions	Supported in V200R002C50 and later versions

Appearance

Figure 5-33 shows the appearance of a PAC-600WB-B power module, and Figure 5-34 shows the appearance of a PAC-600WB-F power module.

Figure 5-33 PAC-600WB-B power module



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Figure 5-34 PAC-600WB-F power module



Function

PAC-600WB-B and PAC-600WB-F power modules use different airflow designs but have the same functions. **Table 5-38** describes the functions of them.

Table 5-38 Functions of a 600 W AC&240 V DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.

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Function	Description
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	• PAC-600WB-B: back-to-front airflow • PAC-600WB-F: front-to-back airflow
Hot swap	Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-35 and Figure 5-36 show the panels of 600 W AC&240 V DC power modules.

Figure 5-35 PAC-600WB-B panel

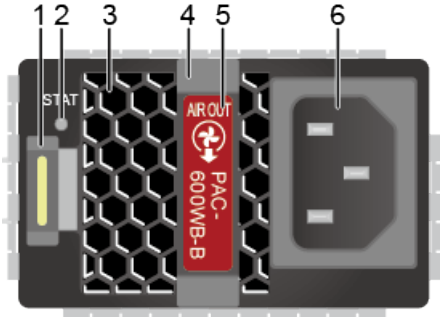
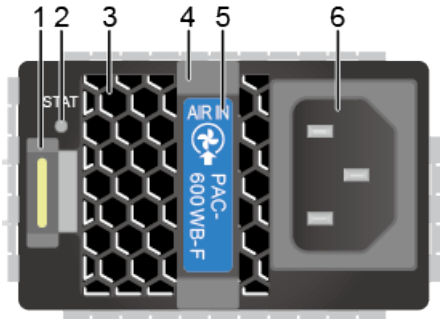


Figure 5-36 PAC-600WB-F panel



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1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 600 W AC&240 V DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-39 describes the indicator on a 600 W AC&240 V DC power module.

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Table 5-39 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Specifications

Table 5-40 lists technical specifications of 600 W AC&240 V DC power modules.

Table 5-40 Technical specifications

Item	PAC-600WB-B	PAC-600WB-F
Dimensions (W x D x H)	66.0 mm x 340.0 mm x 39.6 mm (2.6 in. x 13.4 in. x 1.6 in.)	
Weight	1.5 kg (3.31 lb)	
Rated AC input voltage range	100-240 V AC, 50/60 Hz	
Maximum AC input voltage range	90-290 V AC, 47-63 Hz	
Rated voltage range of 240 V high-voltage DC power input	240 V DC	
Maximum voltage range of 240 V high-voltage DC power input	188-290 V DC	
Rated input current	• 8 A (100 V AC to 240 V AC) • 4 A (240 V DC)	

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Item	PAC-600WB-B	PAC-600WB-F
Rated output current	50 A	
Rated output voltage	12 V	
Rated output power	600 W	
Part Number	02310YQN	02310YQP

5.11 600 W AC&240 V DC Power Module (PAC600S12)

Version Mapping

600 W AC&240 V DC power modules can receive AC inputs or 240 V high-voltage DC inputs. They are classified into two types depending on the airflow designs: PAC600S12-CB (B: back-to-front airflow, air exhaust on power module panel) and PAC600S12-CF (F: front-to-back airflow, air intake on power module panel).

Table 5-41 describes the mapping between switch models and 600 W AC&240 V DC power modules.

Table 5-41 Version mapping

Switch Model	PAC600S12-CB	PAC600S12-CF
CE6863-48S6CQ CE6881-48S6CQ CE6820-48S6CQ	Supported in V200R005C20 and later versions	Supported in V200R005C20 and later versions
CE6881-48S6CQ-K CE6863-48S6CQ-K CE6881E-48S6CQ	Supported in V200R019C10 and later versions	Supported in V200R019C10 and later versions
CE6881-48T6CQ CE6881-48T6CQ-K CE5881-48T6CQ	Supported in V200R020C00 and later versions	Supported in V200R020C00 and later versions

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Switch Model	PAC600S12-CB	PAC600S12-CF
CE6857E-48S6CQ CE6857E-48T6CQ	Supported in V200R020C10 and later versions	Supported in V200R020C10 and later versions
CE6857F-48S6CQ CE6857F-48T6CQ CE6863E-48S6CQ CE6865E-48S8CQ	Supported in V200R021C00 and later versions	Supported in V200R021C00 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-37 shows the appearance of the PAC600S12-CB power module, and Figure 5-38 shows the appearance of the PAC600S12-CF power module.

Figure 5-37 PAC600S12-CB power module



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Figure 5-38 PAC600S12-CF power module



Function

PAC600S12-CB and PAC600S12-CF power modules use different airflow designs but have the same functions. **Table 5-42** describes the functions of them.

Table 5-42 Functions of a 600 W AC&240 V DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.

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Function	Description
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	• PAC600S12-CB: back-to-front airflow • PAC600S12-CF: front-to-back airflow
Hot swap	Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-39 and Figure 5-40 show the panels of 600 W AC&240 V DC power modules.

Figure 5-39 Panel of the PAC600S12-CB power module

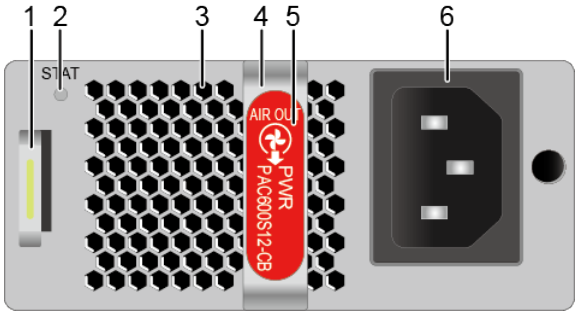
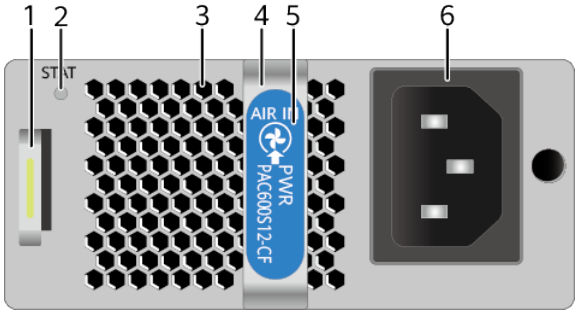


Figure 5-40 Panel of the PAC600S12-CF power module



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1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-43 describes the indicator on the panel of a 600 W AC&240 V DC power module.

Table 5-43 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Steady off	The power input is abnormal (for example, no input or undervoltage), or the power output is abnormal (for example, overvoltage or undervoltage).
		Steady on	The power module is working properly.
		Blinking	The power output is abnormal (for example, overcurrent or short circuit).

Specifications

Table 5-44 lists technical specifications of 600 W AC&240 V DC power modules.

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Table 5-44 Technical specifications

Item	PAC600S12-CB	PAC600S12-CF
Dimensions (H x W x D)	39.6 mm x 90.0 mm x 214.5 mm (1.56 in. x 3.54 in. x 8.44 in.)	
Weight	0.94 kg (2.07 lb)	
Rated AC input voltage range	100 V AC to 240 V AC, 50 Hz/60 Hz	
Maximum AC input voltage range	90 V AC to 290 V AC, 47 Hz to 63 Hz	
Rated voltage range of 240 V high-voltage DC power input	240 V DC	
Maximum voltage range of 240 V high-voltage DC power input	190 V DC to 290 V DC	
Rated input current	• 8 A (100 V AC to 240 V AC) • 4 A (240 V DC)	
Rated output current	50 A	
Rated output voltage	12 V	
Rated output power	600 W	
Part Number	02312FFU	02312KNA

5.12 600 W High-Voltage DC Power Module

Version Mapping

600 W high-voltage DC power modules are classified into two types depending on the airflow designs: PHD-600WA-B (back-to-front airflow, air exhaust on power module panel) and PHD-600WA-F (F: front-to-back airflow, air intake on power module panel).

Table 5-45 describes the mapping between switch models and 600 W high-voltage DC power modules.

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Table 5-45 Version mapping

Switch Model	PHD-600WA-B	PHD-600WA-F
CE6856-48T6Q-HI	Supported in V200R002C50 and later versions	Supported in V200R002C50 and later versions

Appearance

Figure 5-41 shows the appearance of a PHD-600WA-B power module, and Figure 5-42 shows the appearance of a PHD-600WA-F power module.

Figure 5-41 PHD-600WA-B power module



Figure 5-42 PHD-600WA-F power module



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Function

PHD-600WA-B and PHD-600WA-F power modules use different airflow designs but have the same functions. **Table 5-46** describes the functions of them.

Table 5-46 Functions of 600 W high-voltage DC power modules

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PHD-600WA-B: back-to-front airflow • PHD-600WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Panel

Figure 5-43 and Figure 5-44 show the panels of 600 W high-voltage DC power modules.

Figure 5-43 PHD-600WA-B panel

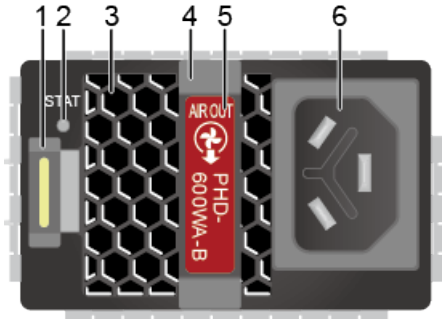
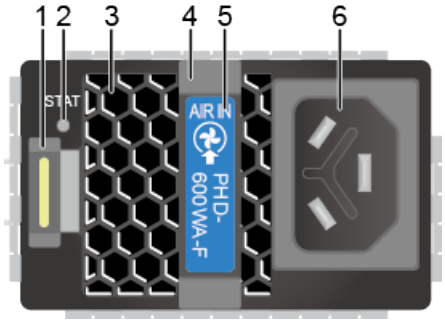


Figure 5-44 PHD-600WA-F panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 600 W high-voltage DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-47 describes the indicator on a 600 W high-voltage DC power module panel.

Table 5-47 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Specifications

Table 5-48 lists technical specifications of 600 W high-voltage DC power modules.

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NOTE

The PHD-600WA series are no longer sold since August 10, 2018.

Table 5-48 Technical specifications

Item	PHD-600WA-B	PHD-600WA-F
Dimensions (W x D x H)	66.0 mm x 340.0 mm x 39.6 mm (2.6 in. x 13.4 in. x 1.6 in.)	
Weight	1.5 kg (3.31 lb)	
Rated voltage range of 380 V high-voltage DC power input	240 V DC to 380 V DC	
Maximum voltage range of 380 V high-voltage DC power input	188 V DC to 400 V DC	
Rated input current	4 A	
Rated output current	50 A	
Rated output voltage	12 V	
Rated output power	600 W	
Part Number	02310YQQ	02310YQR

5.13 600 W DC Power Module (PDC600S12)

Version Mapping

600 W DC power modules include PDC600S12-CB (B: back-to-front airflow, air exhaust on power module panel) and PDC600S12-CF (F: front-to-back airflow, air intake on power module panel).

Table 5-49 describes the mapping between switch models and 600 W DC Power Modules.

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Table 5-49 Version mapping

Switch Model	PDC600S12-CB	PDC600S12-CF
CE6865-48S8CQ-EI CE6870-48T6CQ-EI CE8850-32CQ-EI	Supported in V200R019C00 and later versions	Supported in V200R019C00 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-45 shows the appearance of a PDC600S12-CB power module, and **Figure 5-46** shows the appearance of a PDC600S12-CF power module.

Figure 5-45 PDC600S12-CB power module



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Figure 5-46 PDC600S12-CF power module



Function

PDC600S12-CB and PDC600S12-CF power modules use different airflow designs but have the same functions. **Table 5-50** describes the functions of them.

Table 5-50 Functions of 600 W DC Power Modules

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.

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Function	Description
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	• PDC600S12-CB: back-to-front airflow • PDC600S12-CF: front-to-back airflow
Hot swap	Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-47 and Figure 5-48 show the panels of 600 W DC power modules.

Figure 5-47 Panel of a PDC600S12-CB DC power module

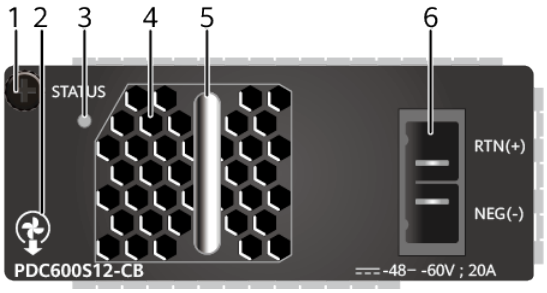
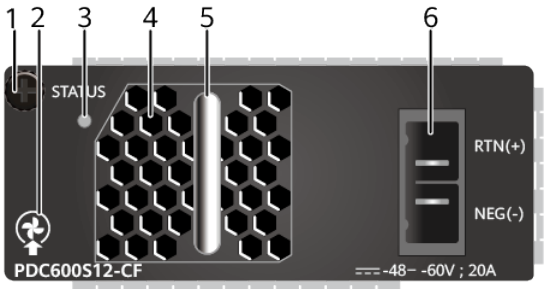


Figure 5-48 Panel of a PDC600S12-CF DC power module



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1. Captive screw	2. Airflow flag • : back-to-front airflow • : front-to-back airflow	3. Indicator	4. Fan air vent
5. Handle	6. DC power socket	-	-

Table 5-51 describes the indicator on the 600 W DC power module panel.

Table 5-51 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-52 lists technical specifications of 600 W DC power modules.

Table 5-52 Technical specifications

Item	PDC600S12-CB	PDC600S12-CF
Dimensions (W x D x H)	100 mm x 205 mm x 40 mm (3.9 in. x 8.1 in. x 1.6 in.)	
Weight	0.73 kg (1.61 lb)	
Rated input voltage	-48 V DC to -60 V DC	
Maximum input voltage	-38.4 V DC to -72 V DC	
Rated input current	20 A	
Rated output current	50 A	
Rated output voltage	12 V	

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Item	PDC600S12-CB	PDC600S12-CF
Rated output power	600 W	
Part Number	02312GJU	02312GJV

5.14 1000 W DC Power Module (PDC1000S12)

Version Mapping

1000 W DC power modules are classified into two types depending on the airflow designs: PDC1000S12-DB (B: back-to-front airflow, air exhaust on power module panel) and PDC1000S12-DF (F: front-to-back airflow, air intake on power module panel).

Table 5-53 describes the mapping between switch models and 1000 W DC power modules.

Table 5-53 Version mapping

Switch Model	PDC1000S12-DB	PDC1000S12-DF
CE6863-48S6CQ CE6881-48S6CQ CE6820-48S6CQ	Supported in V200R005C20 and later versions	Supported in V200R005C20 and later versions
CE6881-48S6CQ-K CE6863-48S6CQ-K CE6881E-48S6CQ	Supported in V200R019C10 and later versions	Supported in V200R019C10 and later versions
CE6881-48T6CQ CE6881-48T6CQ-K	Supported in V200R020C00 and later versions	Supported in V200R020C00 and later versions
CE6857E-48S6CQ CE6857E-48T6CQ	Supported in V200R020C10 and later versions	Supported in V200R020C10 and later versions

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Switch Model	PDC1000S12-DB	PDC1000S12-DF
CE6857F-48S6CQ CE6857F-48T6CQ CE6863E-48S6CQ CE6865E-48S8CQ	Supported in V200R021C00 and later versions	Supported in V200R021C00 and later versions
CE8850E-32CQ-EI	Supported in V200R021C10 and later versions	Supported in V200R021C10 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-49 shows the appearance of the PDC1000S12-DB power module, and Figure 5-50 shows the appearance of the PDC1000S12-DF power module.

Figure 5-49 PDC1000S12-DB power module



Figure 5-50 PDC1000S12-DF power module



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Function

PDC1000S12-DB and PDC1000S12-DF power modules use different airflow designs but have the same functions. **Table 5-54** describes the functions of them.

Table 5-54 Functions of 1000 W DC power modules

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PDC1000S12-DB: back-to-front airflow • PDC1000S12-DF: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Panel

Figure 5-51 and Figure 5-52 show the panels of 1000 W DC power modules.

Figure 5-51 Panel of the PDC1000S12-DB power module

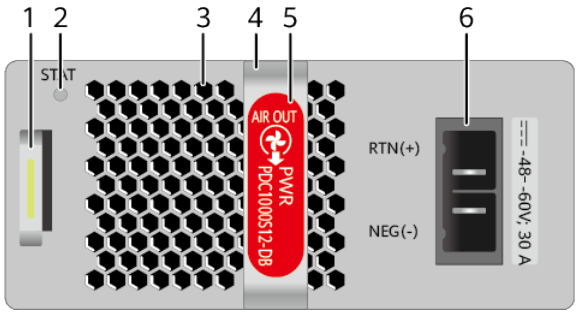
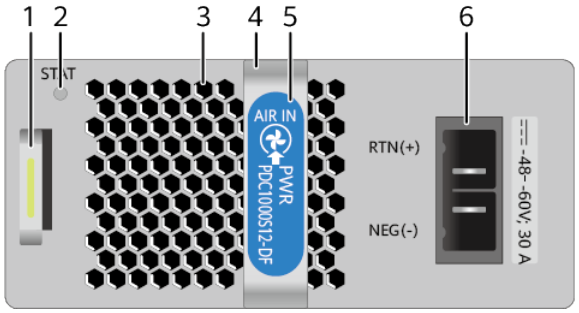


Figure 5-52 Panel of the PDC1000S12-DF power module



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-55 describes the indicator on the panel of a 1000 W DC power module.

Table 5-55 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Steady off	The power input is abnormal (for example, no input, overvoltage, or undervoltage), or the power module is in overtemperature protection state.
		Steady on	The power module is working properly.
		Blinking	The system software of the switch is being upgraded or downgraded, or the power output is abnormal (for example, overcurrent, short circuit, or overvoltage).

Specifications

Table 5-56 lists technical specifications of 1000 W DC power modules.

Table 5-56 Technical specifications

Item	PDC1000S12-DB	PDC1000S12-DF
Dimensions (H x W x D)	39.6 mm x 90.0 mm x 214.5 mm (1.56 in. x 3.54 in. x 8.44 in.)	
Weight	0.86 kg (1.90 lb)	

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Item	PDC1000S12-DB	PDC1000S12-DF
Rated input voltage	-48 V DC to -60 V DC	
Maximum input voltage	-38.4 V DC to -72 V DC	
Rated input current	30 A	
Rated output current	83.3 A	
Rated output voltage	12 V	
Rated output power	1000 W	
Environment specifications	• Operating temperature of PDC1000S12-DB: -25°C to +55°C (-13°F to +131°F) • Operating temperature of PDC1000S12-DF: -25°C to +45°C (-13°F to +113°F) • Operating relative humidity: 5% RH to 95% RH (noncondensing) • Storage temperature: -40°C to +70°C (-40°F to +158°F) • Storage relative humidity: 5% RH to 95% RH (noncondensing)	
Part Number	02312QJK	02312QJL

5.15 1200 W AC&240 V DC Power Module (PAC-1K2WA)

Version Mapping

1200 W AC&240 V DC power modules can receive AC inputs or 240 V high-voltage inputs. They are classified into two types depending on the airflow designs: PAC-1K2WA-B (B: back-to-front airflow, air exhaust on power module panel) and PAC-1K2WA-F (F: front-to-back airflow, air intake on power module panel).

Table 5-57 describes the mapping between switch models and 1200 W AC&240 V DC power modules.

Table 5-57 Version mapping

Switch Model	PAC-1K2WA-B	PAC-1K2WA-F
CE8850-64CQ-EI	Supported in V200R005C00 and later versions	Supported in V200R005C00 and later versions

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Switch Model	PAC-1K2WA-B	PAC-1K2WA-F
CE8861-4C-EI CE8868-4C-EI	Supported in V200R005C10 and later versions	Supported in V200R005C10 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-53 shows the appearance of a PAC-1K2WA-B power module, and Figure 5-54 shows the appearance of a PAC-1K2WA-F power module.

Figure 5-53 PAC-1K2WA-B power module



Figure 5-54 PAC-1K2WA-F power module



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Function

PAC-1K2WA-B and PAC-1K2WA-F use different airflow designs but have the same functions. **Table 5-58** describes the functions of them.

Table 5-58 Functions of a 1200 W AC&240 V DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC-1K2WA-B: back-to-front airflow • PAC-1K2WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Panel

Figure 5-55 and Figure 5-56 show the panels of 1200 W AC&240 V DC power modules.

Figure 5-55 PAC-1K2WA-B panel

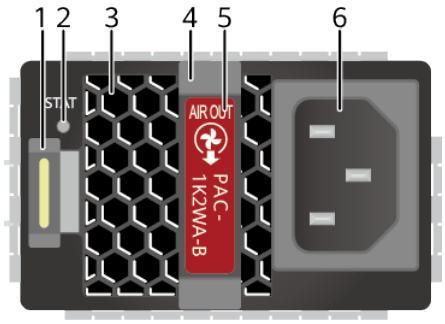
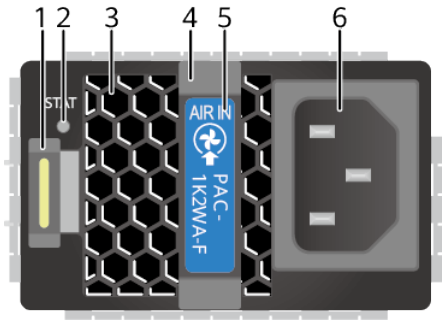


Figure 5-56 PAC-1K2WA-F panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 1200 W AC&240 V DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-59 describes the indicator on a 1200 W AC&240 V DC power module.

Table 5-59 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Specifications

Table 5-60 lists technical specifications of 1200 W AC&240 V DC power modules.

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Table 5-60 Technical specifications

Item	PAC-1K2WA-B	PAC-1K2WA-F
Dimensions (W x D x H)	66.0 mm x 340.0 mm x 39.6 mm	
Weight	1.5 kg	
Rated AC input voltage range	100-130 V AC, 50/60 Hz and 200-240 V AC, 50/60 Hz	
Maximum AC input voltage range	90-290 V AC, 47-63 Hz	
Rated voltage range of 240 V high-voltage DC power input:	240 V DC	
Maximum voltage range of 240 V high-voltage DC power input:	188-290 V DC	
Rated input current	• 10 A (100-130 V AC) • 8 A (200-240 V AC) • 8 A (240 V DC)	
Rated output current	• 67 A (100-130 V AC) • 100 A (200-240 V AC) • 100 A (240 V DC)	
Rated output voltage	12 V	
Rated output power	• 800 W (100-130V AC) • 1200 W (200-240V AC) • 1200 W (240 V DC)	
Part number	02311GLM	02311GLL

5.16 1200 W Power Module (PAC1K2S12-B)

Version Mapping

1200 W power modules can receive AC inputs or 240 V high-voltage inputs. Only the PAC1K2S12-B (B: back-to-front airflow, air exhaust on power module panel) 1200 W power module is available.

Table 5-61 describes the mapping between switch models and 1200 W power modules.

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Table 5-61 Version mapping

Switch Model	PAC1K2S12-B
CE9860-4C-EI	Supported in V200R020C00 and later versions
Other models	Not supported

Appearance

Figure 5-57 shows the appearance of a PAC1K2S12-B power module.

Figure 5-57 PAC1K2S12-B power module



Function

Table 5-62 describes the functions of PAC1K2S12-B.

Table 5-62 Functions of a 1200 W power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.

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Function		Description
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		PAC1K2S12-B: back-to-front airflow
Hot swap		Supported

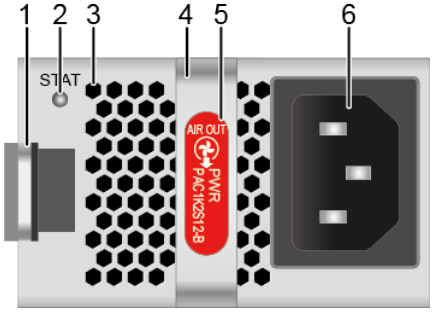
NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-58 shows the panel of a 1200 W power module.

Figure 5-58 PAC1K2S12-B panel



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1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 1200 W AC&240 V DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag  : back-to-front airflow	6. Power socket	-	-

Table 5-63 describes the indicator on a 1200 W power module.

Table 5-63 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

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Specifications

Table 5-64 lists technical specifications of 1200 W power modules.

Table 5-64 Technical specifications

Item	PAC1K2S12-B
Dimensions (W x D x H)	66.0 mm x 374.0 mm x 39.6 mm (2.6 in. x 14.7 in. x 1.6 in.)
Weight	1.5 kg (3.31 lb)
Rated AC input voltage range	• 100-130 V AC, 50/60 Hz • 200-240 V AC, 50/60 Hz
Maximum AC input voltage range	90-290 V AC, 47-63 Hz
Rated voltage range of 240 V high-voltage DC power input:	240 V DC
Maximum voltage range of 240 V high-voltage DC power input:	188-290 V DC
Rated input current	• 10 A (100-130 V AC) • 8 A (200-240 V AC) • 8 A (240 V DC)
Rated output current	• 67 A (100-130 V AC) • 100 A (200-240 V AC) • 100 A (240 V DC)
Rated output voltage	12 V DC
Rated output power	• 800 W (100-130V AC) • 1200 W (200-240V AC) • 1200 W (240 V DC)
Part number	02312DUM

5.17 1200 W AC&240 V DC Power Module (PAC1K2S12-C)

Version Mapping

1200 W AC&240 V DC power modules can receive AC inputs or 240 V high-voltage inputs. 1200 W AC&240 V DC power modules include PAC1K2S12-CB (B: back-to-front airflow, air exhaust on power module panel) and PAC1K2S12-CF (F: front-to-back airflow, air intake on power module panel).

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Table 5-65 describes the mapping between switch models and 1200 W AC&240 V DC power modules.

Table 5-65 Version mapping

Switch Model	PAC1K2S12-CB	PAC1K2S12-CF
CE9860-4C-EI	Supported in V200R020C00 and later versions	Not supported
CE8868-4C-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE8861-4C-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE8850-64CQ-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions

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Switch Model	PAC1K2S12-CB	PAC1K2S12-CF
CE6856-48T6Q-HI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-59 shows the appearance of a PAC1K2S12-CB power module, and Figure 5-60 shows the appearance of a PAC1K2S12-CF power module.

Figure 5-59 PAC1K2S12-CB power module



Figure 5-60 PAC1K2S12-CF power module



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Function

Table 5-66 describes the functions of PAC1K2S12-C.

Table 5-66 Functions of a 1200 W AC&240 V DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PAC1K2S12-CB: back-to-front airflow • PAC1K2S12-CF: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Panel

Figure 5-61 and Figure 5-62 show the panels of a 1200 W AC&240 V DC power module.

Figure 5-61 PAC1K2S12-CB panel

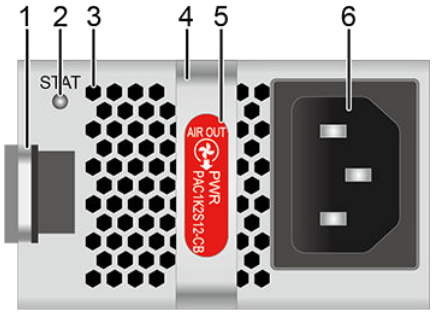
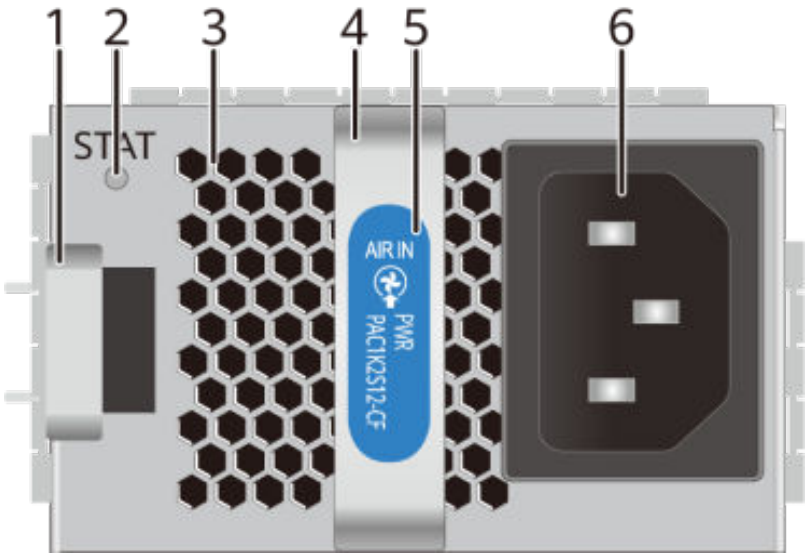


Figure 5-62 PAC1K2S12-CF panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 1200 W AC&240 V DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

Table 5-67 describes the indicator on a 1200 W AC&240 V DC power module.

Table 5-67 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Table 5-68 Ports on a 1200 W AC&240 V DC power module

Port	Description
C13	C13 power socket

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Specifications

Table 5-69 lists technical specifications of 1200 W AC&240 V DC power modules.

Table 5-69 Technical specifications

Item	PAC1K2S12-CB	PAC1K2S12-CF
Dimensions without packaging (H x W x D)	39.6 mm x 374.0 mm x 66.0 mm (1.6 in. x 14.7 in. x 2.6 in.)	
Weight without packaging	1.5 kg (3.31 lb)	
Rated input voltage [V]	100-130 V AC, 50/60 Hz 200-240 V AC, 50/60 Hz 240 V DC	
Maximum Input voltage [V]	AC: 90-290 V AC, 47-63 Hz HVDC: 188-290 V DC	
Rated input current [A]	10 A (100-130 V AC); 8 A (200-240 V AC); 8 A (240 V DC)	
Rated output voltage [V]	12 V	
Rated output current [A]	67 A (100-130 V AC); 100 A (200-240 V AC); 100 A (240 V DC)	
Rated output power [W]	800 W (100-130V AC); 1200 W (200-240V AC); 1200 W (240 V DC)	
Hot swapping	Supported	
Part number	02312VLE	02312VLF

5.18 PAC1K2S12-CB (1200W AC&240V DC Power Module (Back to Front,Power panel side air-out))

Overview

Table 5-70 Basic information about the PAC1K2S12-CB

Item	Details
Description	1200W AC&240V DC Power Module (Back to Front,Power panel side air-out)
Part Number	02312VLE

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Item	Details
Model	PAC1K2S12-CB
Remarks	When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Appearance

Figure 5-63 Appearance of the PAC1K2S12-CB



Version Mapping

Table 5-71 Mappings between PAC1K2S12-CB and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8851-32CQ8DQ-K (02353PJQ)	V300R020C00	-
CloudEngine 8800	CE8851-32CQ8DQ-P (02353EGP)	V300R020C00	-
CloudEngine 8800	CE8850-SAN (02354FPQ)	V300R020C10SPC200	-
CloudEngine 8800	CE8850-HAM (02354WBD)	V300R022C00	-

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Product	Product Model	First Supported Version	Limitations
CloudEngine 9800	CE9860-4C-EI (02352HQC)	V200R020C00	-
CloudEngine 9800	CE9860-4C-EI (02352HQD)	V200R020C00	-

Panel

Figure 5-64 Panel of the PAC1K2S12-CB

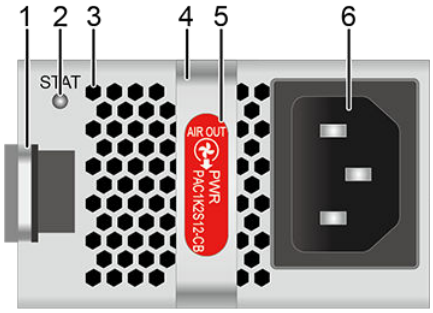


Table 5-72 Indicators on the PAC1K2S12-CB

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Off	The power module receives no power input.
		Green	Steady on	The power module is working normally.
		Green	Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.

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Silkscreen	Name	Color	Status	Description
		Red	Steady on	Fans of the power module fail. The power module is in overtemperature protection state. The power input is abnormal (input undervoltage or input overvoltage). The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Table 5-73 Ports on the PAC1K2S12-CB

Port	Description
Power cable port	C13 power socket

Functions and Features

Table 5-74 Functions and features of the PAC1K2S12-CB

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.

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Functions and Features	Description
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	back-to-front airflow

Technical Specifications

Table 5-75 Technical specifications of the PAC1K2S12-CB

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 374.0 mm x 66.0 mm (1.6 in. x 14.7 in. x 2.6 in.)
Weight without packaging [kg (lb)]	1.5 kg (3.31 lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	100 V AC to 130 V AC; 50/60Hz 200 V AC to 240 V AC; 50/60Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 47–63 Hz High-voltage DC: 190 V DC to 290 V DC
Rated input current [A]	10 A (100-130 V AC); 8 A (200-240 V AC); 8 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	67 A (100-130 V AC); 100 A (200-240 V AC); 100 A (240 V DC)
Rated output power [W]	• 800 W (100 V AC to 130 V AC) • 1200 W (200 V AC to 240 V AC) • 1200 W (240 V DC)
Hot swapping	Supported

5.19 PAC1K2S12-CF (1200W AC&240V DC Power Module (Front to Back,Power panel side intake))

Overview

Table 5-76 Basic information about the PAC1K2S12-CF

Item	Details
Description	1200W AC&240V DC Power Module (Front to Back,Power panel side intake)
Part Number	02312VLF
Model	PAC1K2S12-CF
Remarks	When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-65 Appearance of the PAC1K2S12-CF



Version Mapping

Table 5-77 Mappings between PAC1K2S12-CF and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8851-32CQ8DQ-K (02353PJQ)	V300R020C00	-
CloudEngine 8800	CE8851-32CQ8DQ-P (02353EGP)	V300R020C00	-
CloudEngine 8800	CE8850-SAN (02354FPQ)	V300R020C10SPC200	-
CloudEngine 8800	CE8850-HAM (02354WBD)	V300R022C00	-

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Panel

Figure 5-66 Panel of the PAC1K2S12-CF

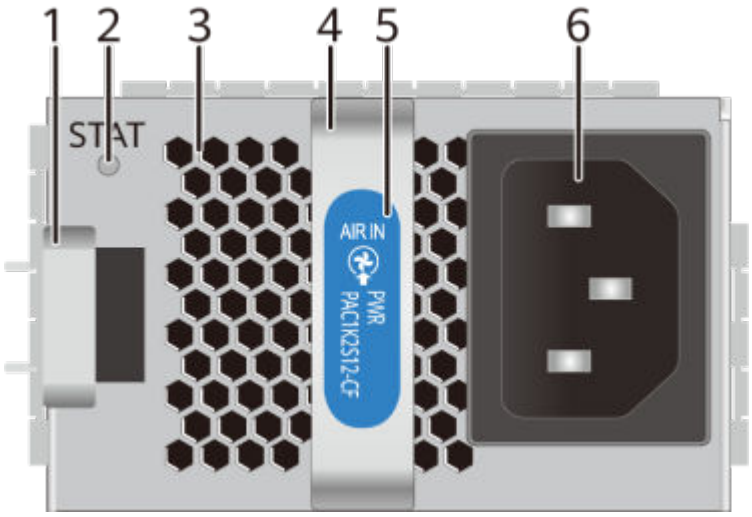


Table 5-78 Indicators on the PAC1K2S12-CF

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Off	The power module receives no power input.
		Green	Steady on	The power module is working normally.
		Green	Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.

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Silkscreen	Name	Color	Status	Description
		Red	Steady on	Fans of the power module fail. The power module is in overtemperature protection state. The power input is abnormal (input undervoltage or input overvoltage). The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Table 5-79 Ports on the PAC1K2S12-CF

Port	Description
Power cable port	C13 power socket

Functions and Features

Table 5-80 Functions and features of the PAC1K2S12-CF

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.

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Functions and Features	Description
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	Front-to-back airflow

Technical Specifications

Table 5-81 Technical specifications of the PAC1K2S12-CF

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66.0 mm x 374.0 mm (1.6 in. x 2.6 in. x 14.7 in.)
Weight without packaging [kg (lb)]	1.5 kg (3.31 lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	100 V AC to 130 V AC; 50/60Hz 200 V AC to 240 V AC; 50/60Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 47–63 Hz High-voltage DC: 188 V DC to 290 V DC
Rated input current [A]	10 A (100-130 V AC); 8 A (200-240 V AC); 8 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	67 A (100-130 V AC); 100 A (200-240 V AC); 100 A (240 V DC)
Rated output power [W]	• 800 W (100 V AC to 130 V AC) • 1200 W (200 V AC to 240 V AC) • 1200 W (240 V DC)
Hot swapping	Supported

5.20 PAC1K2S12-PB (1200W AC&240V DC Power Module (Back to Front,Power panel side exhaust))

Overview

Table 5-82 Basic information about the PAC1K2S12-PB

Item	Details
Description	1200W AC&240V DC Power Module (Back to Front,Power panel side exhaust)
Part Number	02313NYX
Model	PAC1K2S12-PB
Remarks	When a power module enters overtemperature protection state, take measures to lower the temperature of the chassis. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-67 Appearance of the PAC1K2S12-PB



Version Mapping

Table 5-83 Mappings between PAC1K2S12-PB and product models

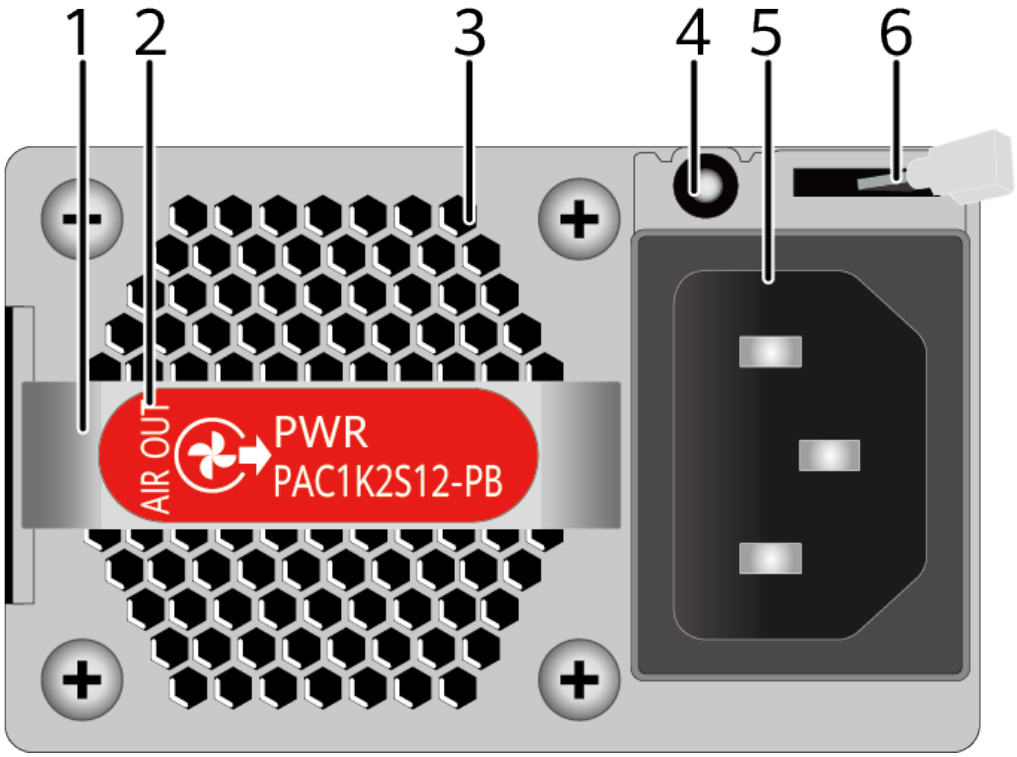
Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-004)	V200R022C00	-

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Product	Product Model	First Supported Version	Limitations
CloudEngine 9800	CE9860-4C-EI-A (02355FEA)	V200R022C10	-

Panel

Figure 5-68 Panel of the PAC1K2S12-PB



1. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.	2. Airflow flag • : back-to-front airflow • : front-to-back airflow	3. Air vent	4. Indicator

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5. Power socket	6. Lock	-	-

Table 5-84 Indicators on the PAC1K2S12-PB

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Steady off	The power input is abnormal (for example, no input or undervoltage), or the power output is abnormal (for example, overvoltage or undervoltage).
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading

Table 5-85 Ports on the PAC1K2S12-PB

Port	Description
Power cable port	C13 power cable port

Functions and Features

Table 5-86 Functions and features of the PAC1K2S12-PB

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.

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Functions and Features	Description
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	Back-to-front airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-87 Technical specifications of the PAC1K2S12-PB

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66.0 mm x 215 mm (1.56 in. x 2.60 in. x 8.46 in.)

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Item	Specification
Weight without packaging [kg (lb)]	0.844 kg (lb)
Number of inputs	1
Number of outputs	1
Rated input voltage [V]	200 V AC to 240 V AC; 50/60 Hz 100 V AC to 130 V AC; 50/60 Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 45–65 Hz High-voltage DC: 190 V DC to 290 V DC
Rated input current [A]	8 A (200 V AC to 240 V AC); 10 A (100 V AC to 130 V AC); 8 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	100A
Rated output power [W]	1200 W
Hot swapping	Supported

5.21 PAC1K2S12-PF (1200W AC&240V DC Power Module (Front to Back,Power panel side intake))

Overview

Table 5-88 Basic information about the PAC1K2S12-PF

Item	Details
Description	1200W AC&240V DC Power Module (Front to Back,Power panel side intake)
Part Number	02313PAA
Model	PAC1K2S12-PF
Remarks	When a power module enters overtemperature protection state, take measures to lower the temperature of the chassis. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-69 Appearance of the PAC1K2S12-PF



Version Mapping

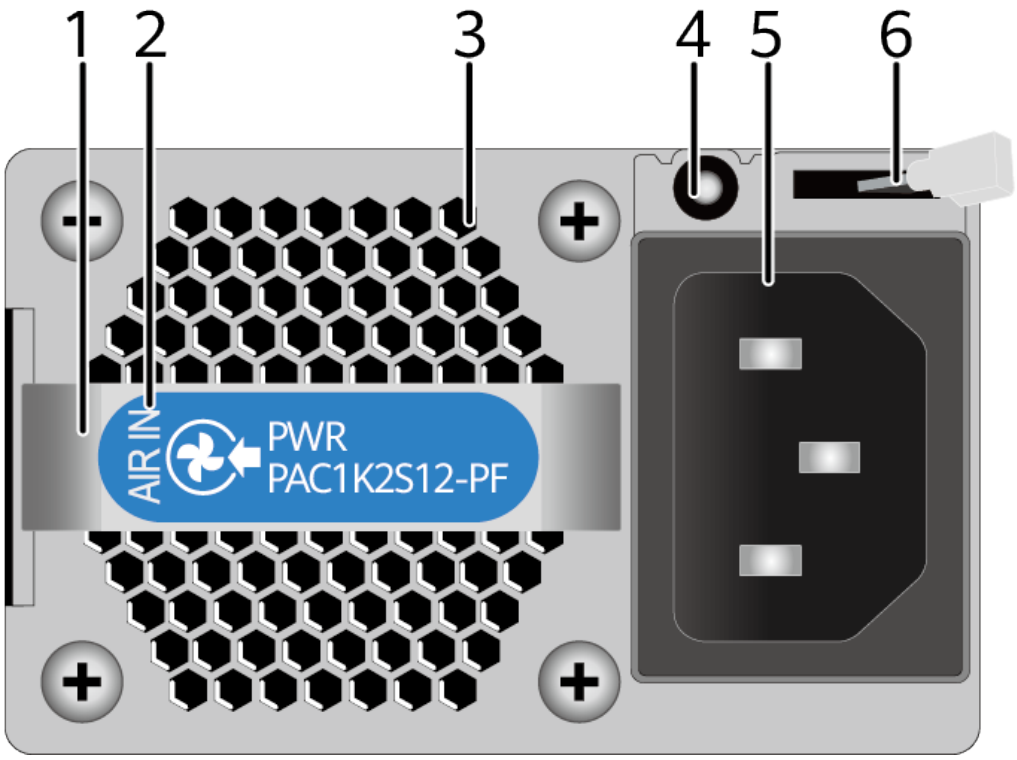
Table 5-89 Mappings between PAC1K2S12-PF and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-004)	V200R022C00	-

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Panel

Figure 5-70 Panel of the PAC1K2S12-PF



1. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.	2. Airflow flag • : back-to-front airflow • : front-to-back airflow	3. Air vent	4. Indicator
5. Power socket	6. Lock	-	-

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Table 5-90 Indicators on the PAC1K2S12-PF

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Steady off	The power input is abnormal (for example, no input or undervoltage), or the power output is abnormal (for example, overvoltage or undervoltage).
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading

Table 5-91 Ports on the PAC1K2S12-PF

Port	Description
Power cable port	C13 power cable port

Functions and Features

Table 5-92 Functions and features of the PAC1K2S12-PF

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.

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Functions and Features	Description
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	Back-to-front airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-93 Technical specifications of the PAC1K2S12-PF

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66.0 mm x 215 mm (1.56 in. x 2.60 in. x 8.46 in.)
Weight without packaging [kg (lb)]	0.844 kg (lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	200 V AC to 240 V AC; 50/60 Hz 100 V AC to 130 V AC; 50/60 Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 45–65 Hz High-voltage DC: 190 V DC to 290 V DC
Rated input current [A]	8 A (200 V AC to 240 V AC); 10 A (100 V AC to 130 V AC); 8 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	100A
Rated output power [W]	1200 W
Hot swapping	Supported

5.22 PAC600S12-PB (600W AC Power Module(Back to Front, Power panel side exhaust))

Overview

Table 5-94 Basic information about the PAC600S12-PB

Item	Details
Description	600W AC Power Module(Back to Front, Power panel side exhaust)
Part Number	02313BUS
Model	PAC600S12-PB
Remarks	When a power module enters overtemperature protection state, take measures to lower the temperature of the chassis. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-71 Appearance of the PAC600S12-PB



Version Mapping

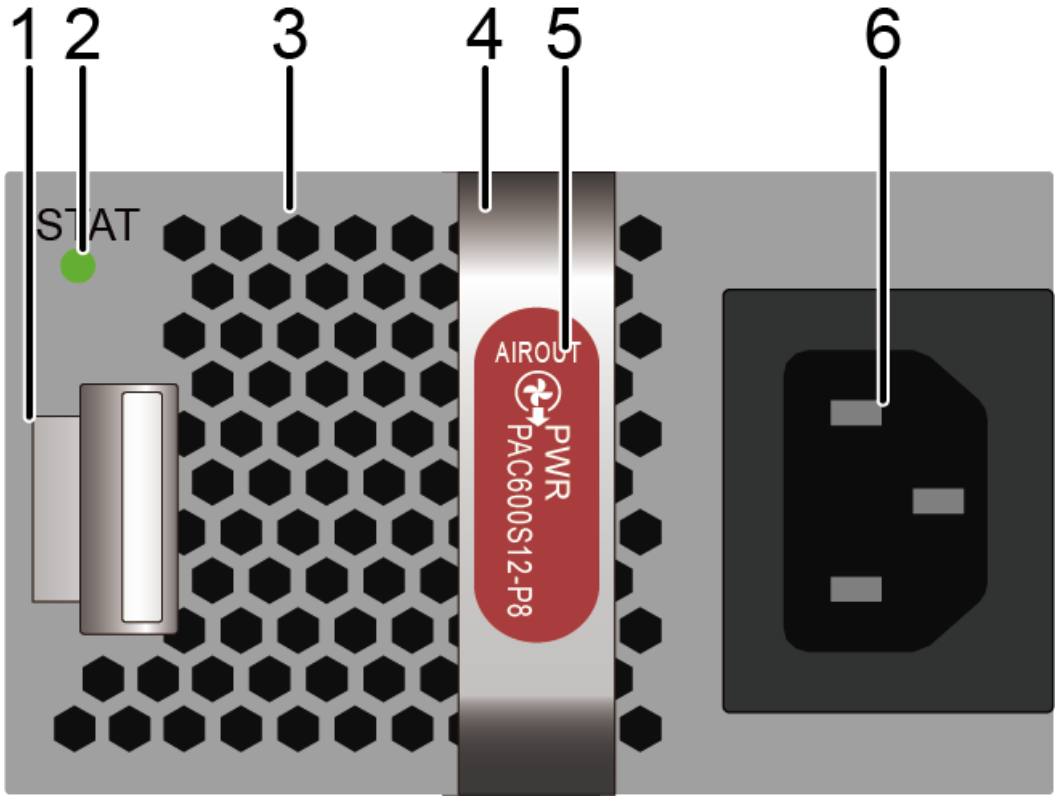
Table 5-95 Mappings between PAC600S12-PB and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSK)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSJ)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSH)	V200R022C00	-

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Panel

Figure 5-72 Panel of the PAC600S12-PB



1. Lock	2. Indicator	3. Air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

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Table 5-96 Indicators on the PAC600S12-PB

Silkscreen	Name	Color	Status	Description
STAT	Power indicator	Green	Steady off	The input is abnormal (no power input or input undervoltage), or the output is abnormal (overvoltage or undervoltage).
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading

Table 5-97 Ports on the PAC600S12-PB

Port	Description
Power cable port	C13 power cable port

Functions and Features

Table 5-98 Functions and features of the PAC600S12-PB

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.

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Functions and Features	Description
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	Back-to-front airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-99 Technical specifications of the PAC600S12-PB

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66 mm x 215 mm (1.56 in. x 2.6 in. x 8.46 in.)
Weight without packaging [kg (lb)]	1 kg (2.20 lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	100 V AC to 240 V AC, 50 Hz/60 Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 45–65 Hz High-voltage DC: 190 V DC to 290 V DC
Rated input current [A]	8 A (100 V AC to 240 V AC); 4 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	50A
Rated output power [W]	600W
Hot swapping	Supported

5.23 PAC600S12-PF (600W AC Power Module(Front to Back, Power panel side intake))

Overview

Table 5-100 Basic information about the PAC600S12-PF

Item	Details
Description	600W AC Power Module(Front to Back, Power panel side intake)
Part Number	02313BUW
Model	PAC600S12-PF
Remarks	When a power module enters overtemperature protection state, take measures to lower the temperature of the chassis. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-73 Appearance of the PAC600S12-PF



Version Mapping

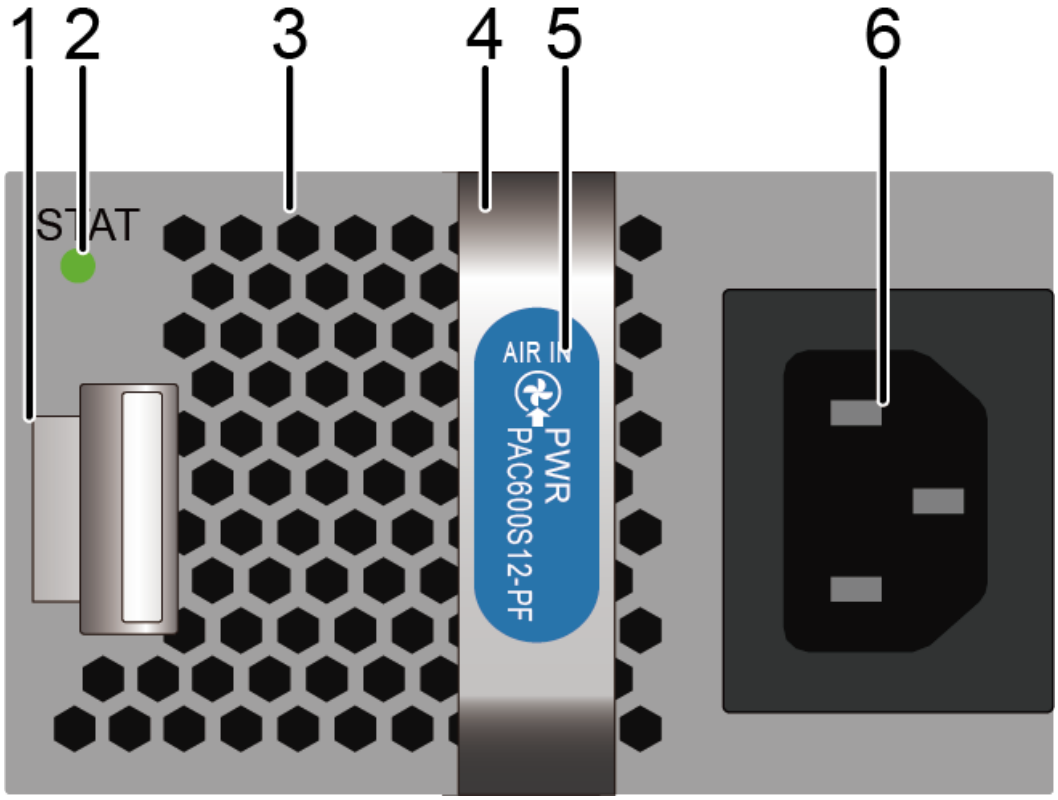
Table 5-101 Mappings between PAC600S12-PF and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSK)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSJ)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSH)	V200R022C00	-

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Panel

Figure 5-74 Panel of the PAC600S12-PF



1. Lock	2. Indicator	3. Air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. Power socket	-	-

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Table 5-102 Indicators on the PAC600S12-PF

Silkscreen	Name	Color	Status	Description
STAT	Power indicator	Green	Steady off	The input is abnormal (no power input or input undervoltage), or the output is abnormal (overvoltage or undervoltage).
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading

Table 5-103 Ports on the PAC600S12-PF

Port	Description
Power cable port	C13 power cable port

Functions and Features

Table 5-104 Functions and features of the PAC600S12-PF

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.

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Functions and Features	Description
Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	Front-to-back airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-105 Technical specifications of the PAC600S12-PF

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66 mm x 215 mm (1.56 in. x 2.6 in. x 8.46 in.)
Weight without packaging [kg (lb)]	1 kg (2.20 lb)
Weight with packaging [kg (lb)]	1 kg (2.20 lb)
Number of inputs	1

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Item	Specification
Rated input voltage [V]	100 V AC to 240 V AC, 50 Hz/60 Hz 240 V DC
Maximum Input voltage [V]	AC: 90–290 V AC; 45–65 Hz High-voltage DC: 190 V DC to 290 V DC
Rated input current [A]	8 A (100 V AC to 240 V AC) ; 4 A (240 V DC)
Rated output voltage [V]	12 V
Rated output current [A]	50A
Rated output power [W]	600W
Hot swapping	Supported

5.24 1200 W High-voltage DC Power Module (PHD-1K2WA)

Version Mapping

1200 W high-voltage DC power modules are classified into two types depending on the airflow designs: PHD-1K2WA-B (back-to-front airflow, air exhaust on power module panel) and PHD-1K2WA-F (F: front-to-back airflow, air intake on power module panel).

Table 5-106 describes the mapping between switch models and 1200 W high-voltage DC power modules.

Table 5-106 Version mapping

Switch Model	PHD-1K2WA-B	PHD-1K2WA-F
CE8850-64CQ-EI	Supported in V200R005C00 and later versions	Supported in V200R005C00 and later versions
CE6856-48T6Q-HI	Supported in V200R005C00 and later versions	Supported in V200R005C00 and later versions
CE8861-4C-EI CE8868-4C-EI	Supported in V200R005C10 and later versions	Supported in V200R005C10 and later versions

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Switch Model	PHD-1K2WA-B	PHD-1K2WA-F
Other models	Not supported	Not supported

Appearance

Figure 5-75 shows the appearance of a PHD-1K2WA-B power module, and Figure 5-76 shows the appearance of a PHD-1K2WA-F power module.

Figure 5-75 PHD-1K2WA-B power module



Figure 5-76 PHD-1K2WA-F power module



Function

PHD-1K2WA-B and PHD-1K2WA-F use different airflow designs but have the same functions. Table 5-107 describes the functions of them.

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Table 5-107 Functions of 1200 W high-voltage DC power modules

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power adapter stops supplying power intermittently. When the output voltage restores to the normal range, the power adapter automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PHD-1K2WA-B: back-to-front airflow • PHD-1K2WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-77 and **Figure 5-78** show the panels of 1200 W high-voltage DC power modules.

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Figure 5-77 PHD-1K2WA-B panel

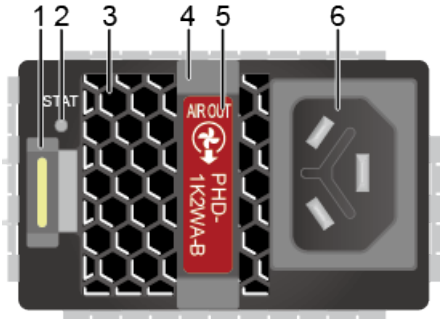
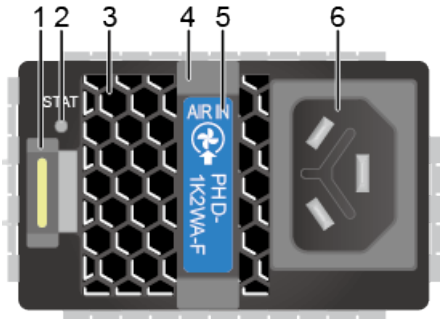


Figure 5-78 PHD-1K2WA-F panel



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 1200 W high-voltage power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.

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5. Airflow flag •  : back-to-front airflow •  : front-to-back airflow	6. Power socket	-	-

Table 5-108 describes the indicator on a 1200 W high-voltage DC power module.

Table 5-108 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Off	The power module receives no power input.
		Steady on	The power module is working normally.
		Blinking	The power module is in loading or standby state, or the power cable has been connected but the power module is not installed in the switch.
	Red	Steady on	• Fans of the power module fail. • The power module is in overtemperature protection state. • The power input is abnormal (input undervoltage or input overvoltage). • The power output is abnormal (output overcurrent, output short-circuit, or output overvoltage).

Specifications

Table 5-109 lists technical specifications of 1200 W high-voltage DC power modules.

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Table 5-109 Technical specifications

Item	PHD-1K2WA-B	PHD-1K2WA-F
Dimensions (W x D x H)	66.0 mm x 340.0 mm x 39.6 mm (2.6 in. x 13.4 in. x 1.6 in.)	
Weight	1.5 kg (3.31 lb)	
Rated voltage range of 380 V high-voltage DC power input:	240-380 V DC	
Maximum voltage range of 380 V high-voltage DC power input:	188-400 V DC	
Rated input current	8 A	
Rated output current	100 A	
Rated output voltage	12 V	
Rated output power	1200 W	
Part number	02311GLP	02311GLN

5.25 1200 W High-Voltage DC Power Module (PHD1K2S12-DB)

Version Mapping

Only the PHD1K2S12-DB (B: back-to-front airflow, air exhaust on power module panel) 1200 W high-voltage DC power module is available.

Table 5-110 describes the mapping between switch models and the 1200 W high-voltage DC power module.

Table 5-110 Version mapping

Switch Model	PHD1K2S12-DB
CE6863-48S6CQ CE6881-48S6CQ CE6820-48S6CQ CE6881-48S6CQ-K CE6863-48S6CQ-K CE6881E-48S6CQ	Supported in V200R019C10 and later versions

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Switch Model	PHD1K2S12-DB
CE6881-48T6CQ CE6881-48T6CQ-K CE5881-48T6CQ	Supported in V200R020C00 and later versions
CE5855E-48T4S2Q CE6857E-48S6CQ CE6857E-48T6CQ	Supported in V200R020C10 and later versions
CE6857F-48S6CQ CE6857F-48T6CQ CE6863E-48S6CQ CE6865E-48S8CQ CE5855F-48T4S2Q	Supported in V200R021C00 and later versions
CE8850E-32CQ-EI	Supported in V200R021C10 and later versions
Other models	Not supported

Appearance

Figure 5-79 shows the appearance of the PHD1K2S12-DB power module.

Figure 5-79 PHD1K2S12-DB power module



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Function

Table 5-111 describes the functions of the PHD1K2S12-DB power module.

Table 5-111 Functions of the 1200 W high-voltage DC power module

Function		Description
Input protection	Input overvoltage protection and undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		PHD1K2S12-DB: back-to-front airflow
Hot swap		Supported

NOTE

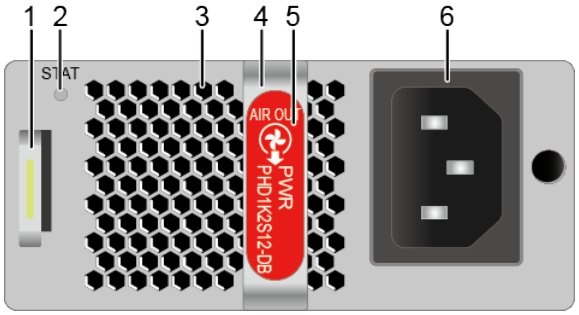
When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-80 shows the panel of the PHD1K2S12-DB power module.

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Figure 5-80 Panel of the PHD1K2S12-DB power module



1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag  : back-to-front airflow	6. Power socket	-	-

Table 5-112 describes the indicator on the panel of the 1200 W high-voltage DC power module.

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Table 5-112 Indicator description

Indicator	Color	Status	Description
STAT: running status indicator	Green	Steady off	The power input is abnormal (for example, no input, overvoltage, or undervoltage), or the power module is in overtemperature protection state.
		Steady on	The power module is working properly.
		Blinking	The system software of the switch is being upgraded or downgraded, or the power output is abnormal (for example, overcurrent, short circuit, or overvoltage).

Specifications

Table 5-113 lists technical specifications of 1200 W high-voltage DC power modules.

Table 5-113 Technical specifications

Item	PHD1K2S12-DB
Dimensions (H x W x D)	39.6 mm x 90.0 mm x 215.0 mm (1.56 in. x 3.54 in. x 8.46 in.)
Weight	1.5 kg (3.31 lb)
Rated voltage range of 380 V high-voltage DC power input	240-380 V DC
Maximum voltage range of 380 V high-voltage DC power input	190 V DC to 400 V DC
Rated input current	8 A
Rated output current	100 A
Rated output voltage	12 V
Rated output power	1200 W

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Item	PHD1K2S12-DB
Environment specifications	• Operating temperature: -25°C to +55°C (-13°F to 131°F) • Operating relative humidity: 5% RH to 95% RH (noncondensing) • Storage temperature: -40°C to +70°C (-40°F to +158°F) • Storage relative humidity: 5% RH to 95% RH (noncondensing)
Part number	02270183

5.26 1200 W DC Power Module (PDC-1K2WA)

Version Mapping

1200 W DC power modules include PDC-1K2WA-B (B: back-to-front airflow, air exhaust on power module panel) and PDC-1K2WA-F (F: front-to-back airflow, air intake on power module panel).

Table 5-114 describes the mapping between switch models and 1200 W DC power modules.

Table 5-114 Version mapping

Switch Model	PDC-1K2WA-B	PDC-1K2WA-F
CE6856-48T6Q-HI	Supported in V200R003C00 version and later versions	Supported in V200R003C00 version and later versions
CE8850-64CQ-EI	Supported in V200R005C00 version and later versions	Supported in V200R005C00 version and later versions
CE8861-4C-EI CE8868-4C-EI	Supported in V200R005C10 version and later versions	Supported in V200R005C10 version and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-81 shows the appearance of a PDC-1K2WA-B power module, and Figure 5-82 shows the appearance of a PDC-1K2WA-F power module.

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Figure 5-81 PDC-1K2WA-B power module



Figure 5-82 PDC-1K2WA-F power module



Function

PDC-1K2WA-B and PDC-1K2WA-F power modules use different airflow designs but have the same functions. **Table 5-115** describes the functions of a 1200 W DC power module.

Table 5-115 Functions of a 1200 W DC power module

Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.

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Function		Description
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.
Output protection	Output overvoltage protection	In this protection state, the power module supplies power intermittently. When the output voltage restores to the normal range, the power module automatically resumes power supply.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		• PDC-1K2WA-B: back-to-front airflow • PDC-1K2WA-F: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Panel

Figure 5-83 and **Figure 5-84** show the panel of a 1200 W DC power module.

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Figure 5-83 Panel of a PDC-1K2WA-B DC power module

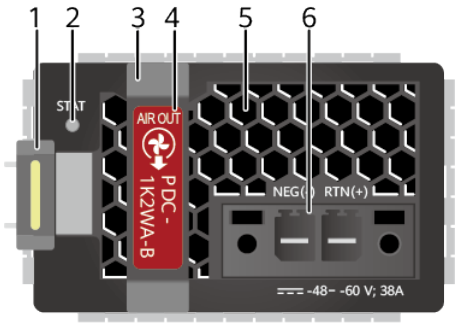
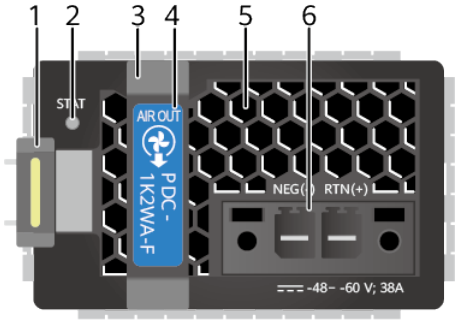


Figure 5-84 Panel of a PDC-1K2WA-F DC power module



1. Lock	2. Indicator	3. Handle	4. Airflow flag • : back-to-front airflow • : front-to-back airflow
5. Fan air vent	6. DC power socket	-	-

Table 5-116 describes the indicator on a 1200 W DC power module.

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Table 5-116 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Off	The power input is abnormal (for example, no input, overvoltage, or undervoltage) or the power output is abnormal (for example, overvoltage, overcurrent, short-circuit, or overtemperature).
		Steady on	The power module is working normally.

Specifications

Table 5-117 lists technical specifications of 1200 W DC power modules.

Table 5-117 Technical specifications

Item	PDC-1K2WA-B	PDC-1K2WA-F
Dimensions (W x D x H)	66.0 mm x 350.0 mm x 39.6 mm (2.6 in. x 13.8 in. x 1.6 in.)	
Weight	1.5 kg (3.31 lb)	
Rated input voltage	-48 V DC to -60 V DC	
Maximum input voltage	-38.4 V DC to -72 V DC	
Rated input current	38 A	
Rated output current	100 A	
Rated output voltage	12 V	
Rated output power	1200 W	
Part Number	02311VRP	02311VRN

5.27 1200 W DC Power Module (PDC1K2S12-D)

Version Mapping

1200 W DC power modules include PDC1K2S12-DB (B: back-to-front airflow, air exhaust on power module panel) and PDC1K2S12-DF (F: front-to-back airflow, air intake on power module panel).

Table 5-118 describes the mapping between switch models and 1200 W DC power modules.

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Table 5-118 Version mapping

Switch Model	PDC1K2S12-DB	PDC1K2S12-DF
CE9860-4C-EI	Supported in V200R021C00 and later versions	Not supported
CE8868-4C-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE8861-4C-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
CE8850-64CQ-EI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800, and V200R019SPH010 and later patches in V200R019C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions

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Switch Model	PDC1K2S12-DB	PDC1K2S12-DF
CE6856-48T6 Q-HI	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions	• Supported by V200R005SPH027 and later patches in V200R005C10SPC800. You are advised to load the latest patch corresponding to the target version • Supported in V200R020C10SPC600 and later versions
Other models	Not supported	Not supported

Appearance

Figure 5-85 shows the appearance of a PDC1K2S12-DB power module, and Figure 5-86 shows the appearance of a PDC1K2S12-DF power module.

Figure 5-85 PDC1K2S12-DB power module



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Figure 5-86 PDC1K2S12-DF power module



Function

Table 5-119 describes the functions of PDC1K2S12-D.

Table 5-119 Functions of a 1200 W DC power module

Function		Description
Input protection	Input undervoltage protection	In either of the two protection states, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current restores to the normal range.

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Function		Description
Output protection	Output overvoltage protection	In this protection state, the power module stops supplying power. When the system recovers from output overvoltage, the power module automatically resumes power supply. The power module is deadlocked when output overvoltage occurs for at least three times within 5 minutes. To unlock the power module, perform one of the following: ● Enable the MPU to deliver the 0x03 command to the power module through PMBus to remove the overvoltage. ● Enable the MPU to deliver the 0x01 command specified with the 0x00 parameter to the power module through PMBus to restart the power module. ● Disconnect power input to trigger fast power failure detection. Remain the power input disconnected for 200 ms.
	Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within the normal range, the power module automatically resumes power supply.
	Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the output short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection		When the temperature of a power module exceeds a specified upper threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation		● PDC1K2S12-DB: back-to-front airflow ● PDC1K2S12-DF: front-to-back airflow
Hot swap		Supported

NOTE

When a power module enters overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Panel

Figure 5-87 and **Figure 5-88** show the panels of a 1200 W DC power module.

Figure 5-87 Panel of a PDC1K2S12-DB DC power module

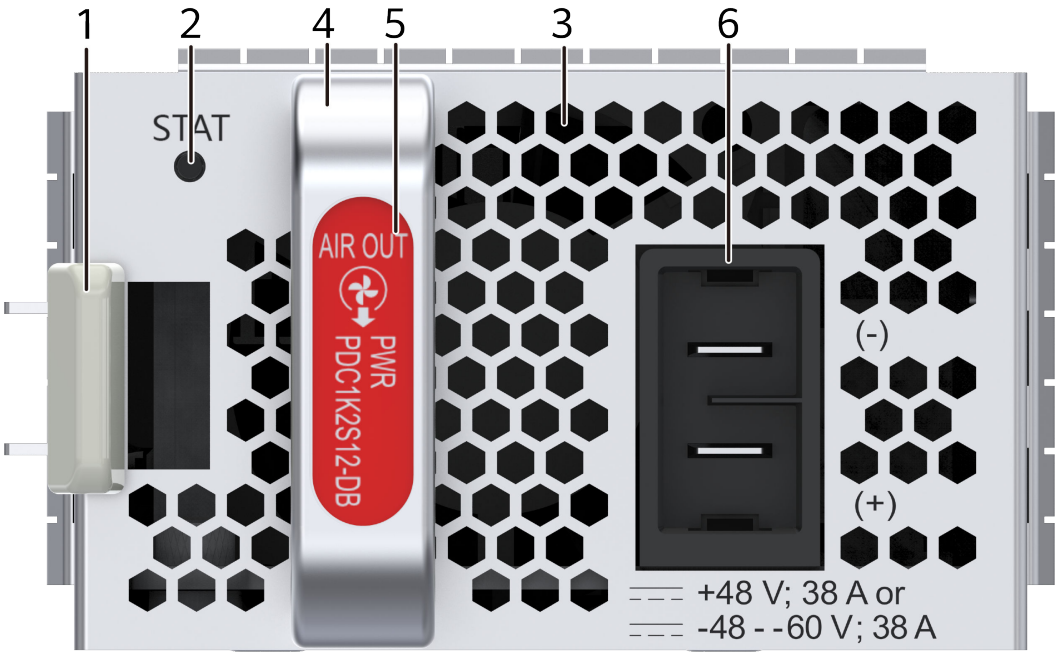
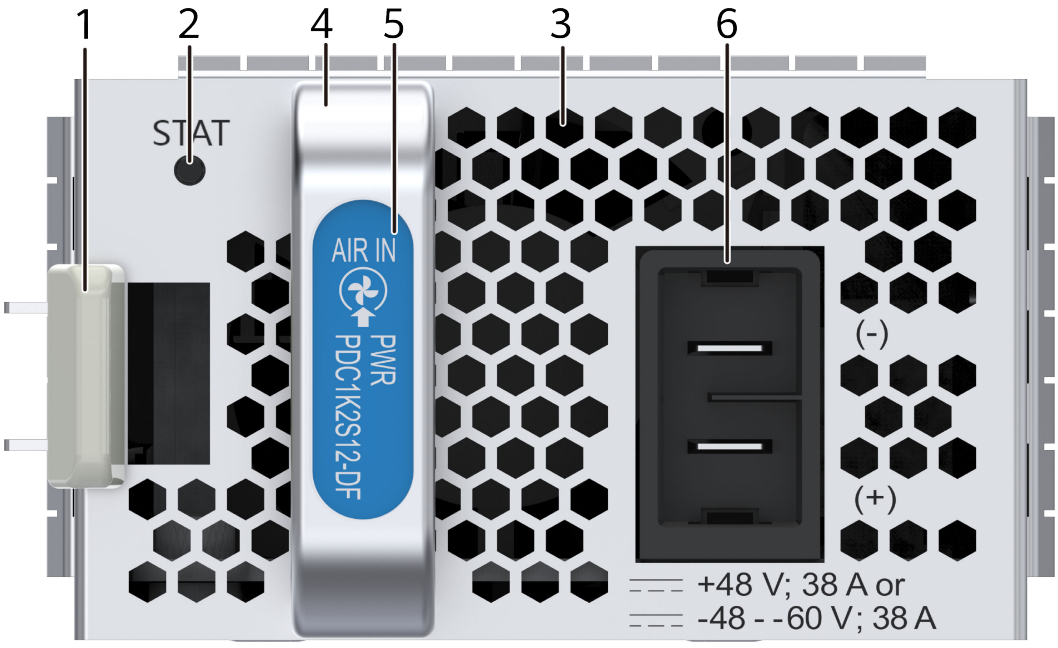


Figure 5-88 Panel of a PDC1K2S12-DF DC power module



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1. Lock	2. Indicator	3. Fan air vent	4. Handle **NOTE** Each 1200 W DC power module is delivered with a velcro strap on the handle. This velcro strap is used to bundle the power cable to the handle.
5. Airflow flag • : back-to-front airflow • : front-to-back airflow	6. DC power socket	-	-

Table 5-120 describes the indicator on a 1200 W DC power module.

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Table 5-120 Indicator description

Indicator	Color	Status	Description
STATUS: power indicator	Green	Steady on	The power module is working normally.
		Blinking at 4 Hz	Online loading
		Blinking at 1 Hz	The power module is powered on but not inserted into the system.
	Red	Steady on	Fan faults, power overtemperature protection, power input overcurrent protection, power input short-circuit protection, power output overvoltage protection, and power input undervoltage protection
	–	Off	There is no power input, the auxiliary power source does not work, and the device starts to supply power to the power source.

Specifications

Table 5-121 lists technical specifications of 1200 W DC power modules.

Table 5-121 Technical specifications

Item	PDC1K2S12-DB	PDC1K2S12-DF
Dimensions without packaging (H x W x D)	39.6 mm x 66.0 mm x 350 mm (1.6 in. x 2.6 in. x 13.8 in.)	
Weight without packaging	1.17 kg (2.58 lb)	
Rated input voltage	–48 V DC to –60 V DC	
Maximum Input voltage	–38.4 V DC to –72 V DC	
Maximum input current	38 A	
Rated output voltage	12 V	
Rated output current	100 A	
Rated output power	1200 W	
Hot swapping	Supported	
Part number	02313EAR	02313EAQ

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5.28 PDC1K2S12-PB (1200W DC Power Module (Front to Back ,Power panel side intake))

Overview

Table 5-122 Basic information about the PDC1K2S12-PB

Item	Details
Description	1200W DC Power Module (Front to Back ,Power panel side intake)
Part Number	02270206
Model	PDC1K2S12-PB
Remarks	When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

Appearance

Figure 5-89 Appearance of the PDC1K2S12-PB



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Version Mapping

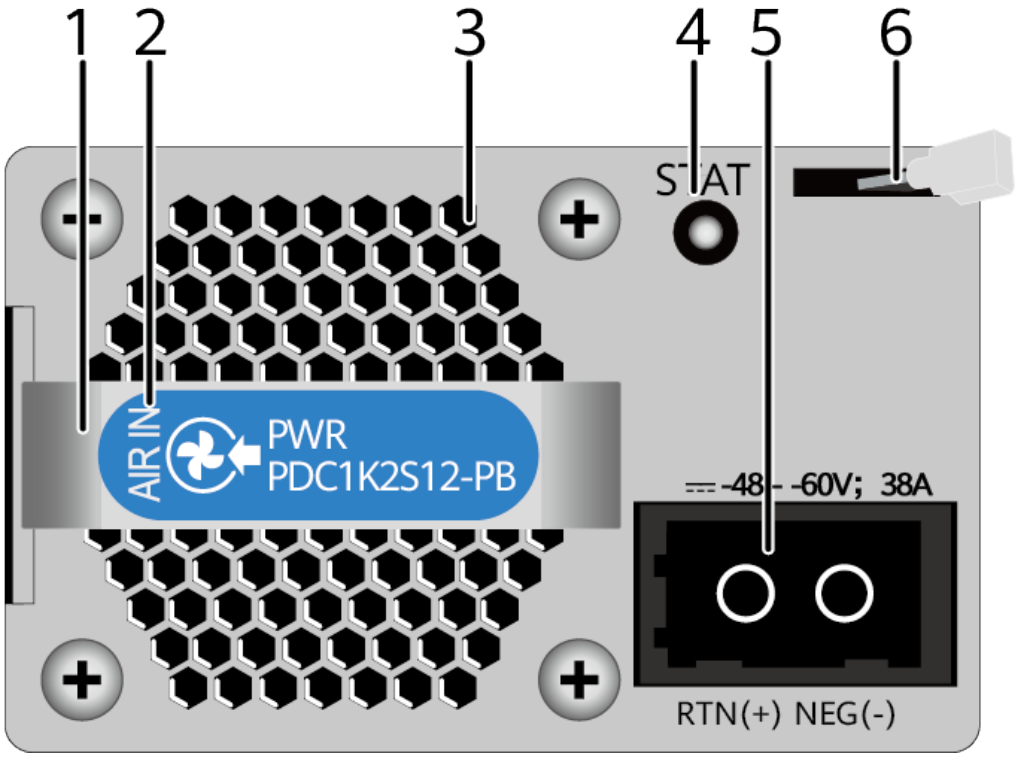
Table 5-123 Mappings between PDC1K2S12-PB and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-004)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSK)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSJ)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSH)	V200R022C00	-

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Panel

Figure 5-90 Panel of the PDC1K2S12-PB



1. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.	2. Airflow flag • AIR OUT: back-to-front airflow • AIR IN: front-to-back airflow	3. Air vent	4. Indicator
5. Power socket	6. Lock	-	-

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Table 5-124 Indicators on the PDC1K2S12-PB

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Steady off	The power input is abnormal (for example, no input, overvoltage, or undervoltage), or the power is overtemperature.
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading.

Table 5-125 Ports on the PDC1K2S12-PB

Port	Description
NEG(-)	–48V/–60V terminal block
RTN(+)	BGND terminal block

Functions and Features

Table 5-126 Functions and features of the PDC1K2S12-PB

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage becomes normal, the power module automatically resumes power supply.
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current becomes normal.

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Functions and Features	Description
Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	back-to-front airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-127 Technical specifications of the PDC1K2S12-PB

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66.0 mm x 215 mm (1.56 in. x 2.60 in. x 8.46 in.)
Weight without packaging [kg (lb)]	0.87 kg (1.92 lb)
Weight with packaging [kg (lb)]	1.79 kg (3.95 lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	-48 V DC to -60 V DC +48 V DC
Maximum Input voltage [V]	-38.4 V DC to -72 V DC +38.4 V DC to +72 V DC
Rated input current [A]	38A
Rated output voltage [V]	12 V
Rated output current [A]	100A
Rated output power [W]	1200 W
Hot swapping	Supported

5.29 PDC1K2S12-CE (1200W DC Power Module (Back to Front,Power panel side exhaust))

Overview

Table 5-128 Basic information about the PDC1K2S12-CE

Item	Details
Description	1200W DC Power Module (Back to Front,Power panel side exhaust)
Part Number	02270205
Model	PDC1K2S12-CE
Remarks	When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module can automatically resume power supply when the temperature falls within the normal range.

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Appearance

Figure 5-91 Appearance of the PDC1K2S12-CE



Version Mapping

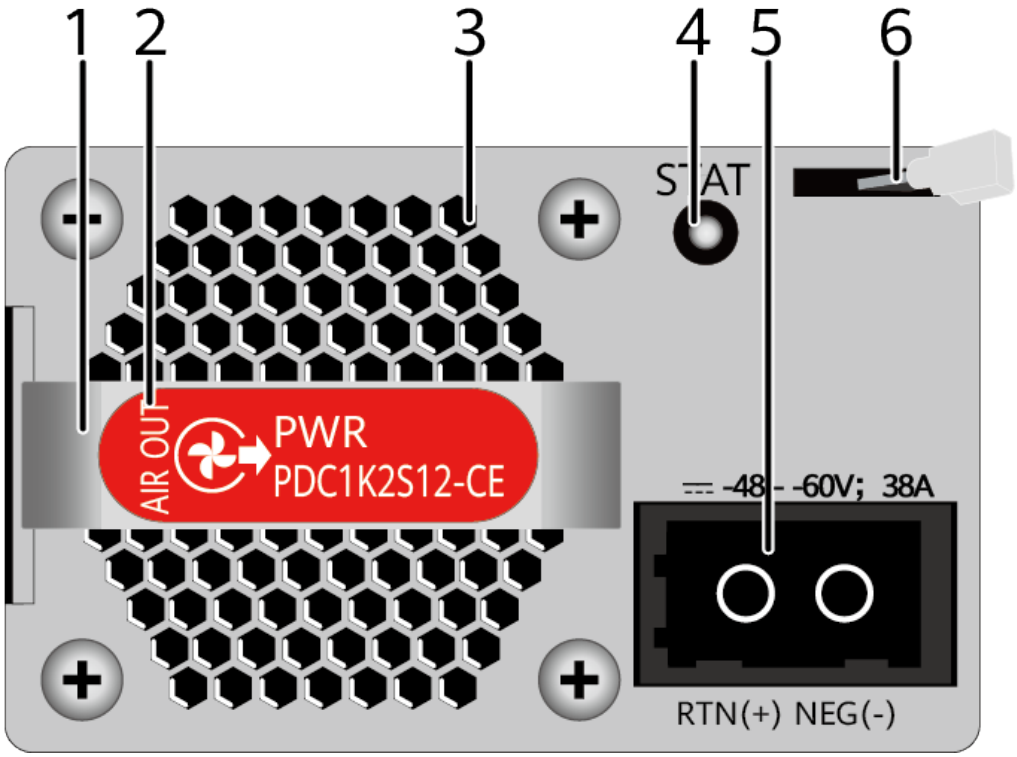
Table 5-129 Mappings between PDC1K2S12-CE and product models

Product	Product Model	First Supported Version	Limitations
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFF-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-001)	V200R021C10SPC600	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFH-004)	V200R022C00	-
CloudEngine 8800	CE8850-64CQ-EI (02351RFJ-004)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSK)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSJ)	V200R022C00	-
CloudEngine 6800	CE6870-48S6CQ-EI-A (02354VSH)	V200R022C00	-

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Panel

Figure 5-92 Panel of the PDC1K2S12-CE



1. Handle **NOTE** Each power module is delivered with a velcro strap on the handle. This velcro strap is used to strap the power cable to the handle.	2. Airflow flag • AIR OUT: back-to-front airflow • AIR IN: front-to-back airflow	3. Air vent	4. Indicator
5. Power socket	6. Lock	-	-

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Table 5-130 Indicators on the PDC1K2S12-CE

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	Green	Steady off	The power input is abnormal (for example, no input, overvoltage, or undervoltage), or the power is overtemperature.
		Green	Steady on	The power module is working properly.
		Green	Blinking (4 Hz)	Online loading.

Table 5-131 Ports on the PDC1K2S12-CE

Port	Description
NEG(-)	–48V/–60V terminal block
RTN(+)	BGND terminal block

Functions and Features

Table 5-132 Functions and features of the PDC1K2S12-CE

Functions and Features	Description
Input overvoltage protection and undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage becomes normal, the power module automatically resumes power supply.
Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically resume power supply when the input current becomes normal.

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Functions and Features	Description
Output overvoltage protection	In this protection state, the power module stops supplying power intermittently. When the system recovers from output overvoltage, the power module automatically resumes power supply.
Output overcurrent protection	In this protection state, the power module supplies power intermittently. When the output current is limited within a range, the power module automatically resumes power supply.
Output short-circuit protection	In this protection state, the power module supplies power intermittently. When the short circuit is removed, the power module automatically resumes power supply.
Overtemperature protection	When the temperature of the power module exceeds a specified threshold, the power module stops supplying power. When the temperature falls into the normal range, the power module automatically resumes power supply.
Heat dissipation	back-to-front airflow

NOTE

When a power module enters the overtemperature protection state, take measures to lower its temperature. The power module can automatically resume power supply when its temperature returns to within the normal range.

Technical Specifications

Table 5-133 Technical specifications of the PDC1K2S12-CE

Item	Specification
Dimensions without packaging (H x W x D) [mm (in.)]	39.6 mm x 66.0 mm x 215 mm (1.56 in. x 2.60 in. x 8.46 in.)
Weight without packaging [kg (lb)]	0.87 kg (1.92 lb)
Weight with packaging [kg (lb)]	1.79 kg (3.95 lb)
Number of inputs	1
Number of outputs	1

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Item	Specification
Rated input voltage [V]	-48 V DC to -60 V DC +48 V DC
Maximum Input voltage [V]	-38.4 V DC to -72 V DC +38.4 V DC to +72 V DC
Rated input current [A]	38 A
Rated output voltage [V]	12 V
Rated output current [A]	100A
Rated output power [W]	1200 W
Hot swapping	Supported

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