

S6700 Series Switches Hardware Description

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> Chassis

> Power Modules

- ES0W2PSA0150 (150 W AC Power Module)
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- W0PSA5000 (500 W AC Power Module)
- W2PSA0580 (580 W AC PoE Power Module)
- PDC-650WA-BE (650 W DC PoE Power Module)**
- PAC1000D5412 (1000 W AC PoE Power Module)
- W2PSA1150 (1150 W AC PoE Power Module)
- W0PSA1701 (170W AC Power Module)
- ES5M0PSD1700 (170W DC Power Module)
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- RPS1800 Power Supply
- 870 W PoE Power Module (LS5W2PSA0870, Rectifier 15 A)

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PDC-650WA-BE (650 W DC PoE Power Module)

Product Support

Table 5-21 lists the switch models supporting a 650 W DC PoE power module.

Table 5-21 Product support for a 650 W DC PoE power module

Power Module Name	Product Support
PDC-650WA-BE	S6720-32C-PWH-SI-AC, S6720-32C-PWH-SI, S6720-52X-PWH-SI, S6720-56C-PWH-SI-AC, S6720-56C-PWH-SI

Appearance

Figure 5-11 Appearance of a 650 W DC PoE power module (PDC-650WA-BE)



Function

Table 5-22 describes the functions of a 650 W DC PoE power module.

Table 5-22 Functions of a 650 W DC PoE power module

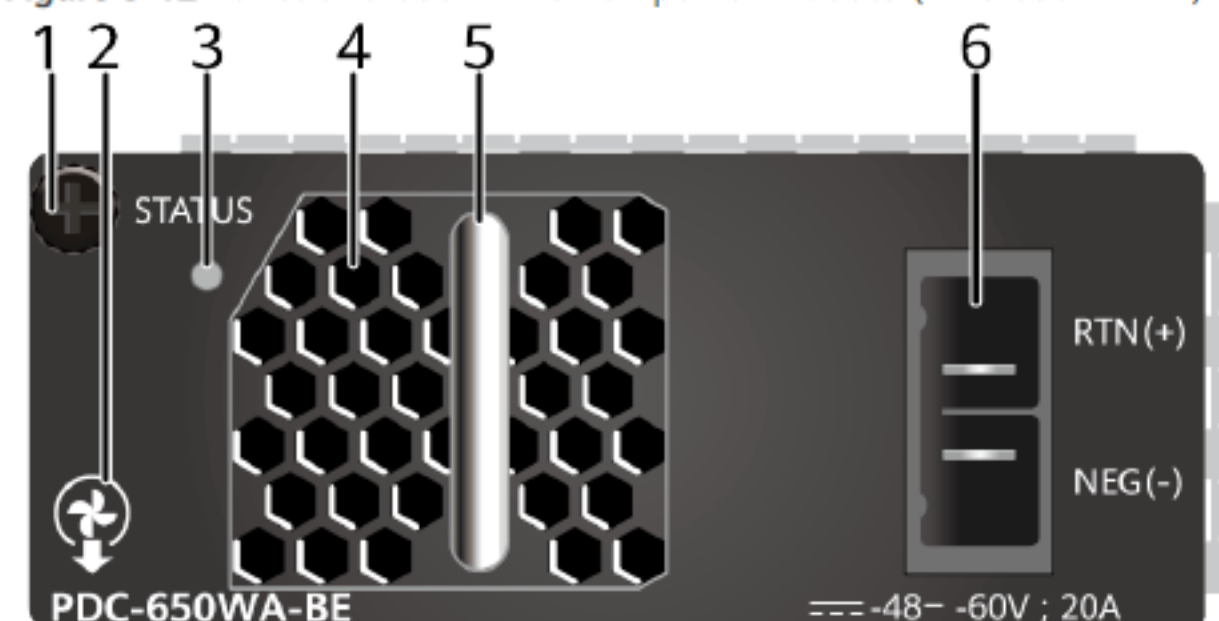
Function		Description
Input protection	Input undervoltage protection	In this protection state, the power module stops supplying power. When the input voltage restores to the normal range, the power module automatically resumes power supply.
	Input overcurrent protection	In this protection state, the power module stops supplying power and cannot automatically start supplying power again 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 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 swapping		Supported

NOTE

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

Panel

Figure 5-12 Panel of a 650 W DC PoE power module (PDC-650WA-BE)



1. Captive screw	2: Airflow flag (air out)	3. Indicator	4. Fan air vent
5. Handle	6. DC power socket	-	-

Table 5-23 describes the indicator on the 650 W DC PoE power module panel.

Table 5-23 Description of indicator on the 650 W DC PoE power module panel

Indicator	Color	Description
STATUS: running status 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 describes technical specifications of a 650 W DC PoE power module.

Table 5-24 Technical specifications of a 650 W DC PoE power module

Item	Description
Dimensions (H x W x D)	40 mm x 100 mm x 205 mm (1.6 in. x 3.9 in. x 8.1 in.)
Weight	0.83 kg (1.83 lb)
Rated input voltage range	-48 V DC to -60 V DC
Maximum input voltage	-38.4 V DC to -72 V DC
Maximum input current	20 A
Maximum output current	+12 V: 22.5 A -53.5 V: 7.11 A
Rated output power	- PoE power: 369.6 W - Total power: 650 W
Part number	02270152