5.6 PAC180S12-CN (180W AC&240 V DC Power Module (66 mm Width case, No Fans))

Overview

Table 5-26 Basic information about the PAC180S12-CN

Item	Details
Description	180W AC&240 V DC Power Module (66 mm Width case, No Fans)
Part Number	02131754
Model	PAC180S12-CN

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Appearance

Figure 5-11 Appearance of the PAC180S12-CN



Version Mapping

Table 5-27 Mappings between PAC180S12-CN and product models

Product	Product Model	First Supported Version	Limitations
S530	S530-24ST4XE (98012556)	V600R023C10SPC600	-
S530	S530-24T4XE (98012554)	V600R023C10SPC600	-
S530	S530-48S4XE (98012558)	V600R023C10SPC600	-
S530	S530-48T4XE (98012951)	V600R024C10	-
S620	S620-16X8YZ (98012580)	V600R024C10	-
S620	S620-24T16X8Y2CZ (98012536)	V600R024C00	When cards are used, power modules with a power of 240 W or higher must be used.

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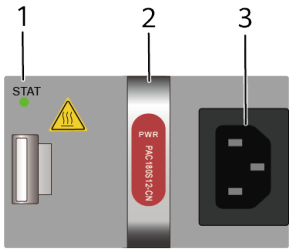
Panel

Figure 5-12 Panel of the PAC180S12-CN



1. Power indicator (STAT)	2. Handle	3. Power socket	-

Table 5-28 Indicators on the PAC180S12-CN

Silkscreen	Name	Color	Status	Description
STAT	Running status indicator	-	Steady 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 occurs, undervoltage, or overtemperature).
		Green	Steady on	The power module is working normally.

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Functions and Features

Table 5-29 Functions of a 180 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 overvoltage 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 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 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.

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Technical Specifications

Table 5-30 Technical specifications of the PAC180S12-CN

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)]	0.67 kg (1.48 lb)
Number of inputs	1
Rated input voltage [V]	100 V AC to 240 V AC, 50 Hz/60 Hz 240 V DC
Input voltage range [V]	90 V AC to 290 V AC; 45 Hz~66 Hz 190 V DC to 290 V DC
Maximum input current [A]	3 A
Rated output voltage [V]	12 V
Rated output current [A]	15 A
Rated output power [W]	180 W
Power dissipation Mode	Natural heat dissipation without fans
Hot swapping	Supported

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