Huawei PAC180S12-CN

180 W AC & 240 V DC Power Module Datasheet

66 mm Width Case | No Fans | Hot-Swappable

Product Overview

The **PAC180S12-CN** is a 180 W power supply module housed in a 66 mm wide casing with no fans. It supports wide-range AC inputs (100 V AC to 240 V AC) as well as High-Voltage DC input (240 V DC), and delivers a steady 12 V DC output up to 15 A. It uses natural heat dissipation without fans. The module supports hot swapping for seamless maintenance.

Basic Information

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

Panel Layout & Components

1. **Power indicator:** STAT running status LED.
2. **Handle:** Handle for insertion/removal.
3. **Power Socket:** AC/HVDC power inlet.

Technical Specifications

Item	Specification
Dimensions (H × W × D)	39.6 mm × 66 mm × 215 mm (1.56 in. × 2.6 in. × 8.46 in.)
Weight without packaging	0.67 kg (1.48 lb)
Number of Inputs	1
Rated Input Voltage	100 V AC to 240 V AC, 50 Hz / 60 Hz 240 V DC
Input Voltage Range	90 V AC to 290 V AC, 45 Hz to 66 Hz 190 V DC to 290 V DC
Maximum Input Current	3 A
Rated Output Voltage	12 V DC
Rated Output Current	15 A
Rated Output Power	180 W
Power Dissipation Mode	Natural heat dissipation without fans
Hot Swapping	Supported

Panel Indicators

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

Functions and Features

Category	Feature	Description
Input Protection	Input Undervoltage Protection	Stops power output and automatically restores power supply after the input voltage returns to normal.
	Input Overvoltage Protection	Stops power output and automatically restores power supply after the input voltage returns to normal.
	Input Overcurrent Protection	Stops power output and does not automatically restore power supply after the input current returns to normal.
Output Protection	Output Overvoltage Protection	Stops power output intermittently and automatically restores power supply once the output voltage returns to normal.
	Output Overcurrent Protection	Supplies power intermittently and automatically restores normal power supply once the output current is within range.
	Output Short-Circuit Protection	Supplies power intermittently and automatically resumes power supply once the short circuit is removed.
Thermal & Operation	Overtemperature Protection	Stops power supply when the module temperature exceeds the threshold. Automatically resumes when the temperature falls into the normal range.
	Hot Swapping	Supported.

Operational Maintenance Note: When a power module enters the overtemperature protection state, take measures to lower its ambient temperature. The module will automatically resume power supply when its temperature returns within the normal range.

Source: Huawei CloudEngine S5700 Series Ethernet Switches Hardware Description (V600), Issue 13 (2026-09-30), section 6.7 "PAC180S12-CN (180W AC&240 V DC Power Module (66 mm Width case, No Fans))". Information is subject to change without notice.