HUAWEI eKit

Huawei PAC600S12-PB

600 W AC & 240 V DC Power Module Datasheet

66 mm Width Case | Power Panel Side Exhaust | Hot-Swappable

Product Overview

The **PAC600S12-PB** is a high-density 600 W power supply module housed in a 66 mm wide casing. Designed for enterprise switches, it supports wide-range AC inputs (100 V AC to 240 V AC) as well as High-Voltage DC inputs (240 V DC). It utilizes built-in fan cooling with power-panel side exhaust (air out) and delivers a steady 12 V DC output up to 50 A. The module supports hot swapping for seamless maintenance in redundant configurations.

Basic Information

Item	Details
Model	PAC600S12-PB
Part Number	02313BUS
Description	600W AC & 240 V DC Power Module (66 mm Width Case, Power panel side exhaust)

Panel Layout & Components

1. Lock: Quick-release mechanism for module securement.

2. Indicator: STAT running/power status LED.

3. Fan Air Vent: Air outlet for built-in fan airflow.

4. Handle: Ergonomic handle for insertion/removal.

5. Airflow Flag: Air out direction marker.

6. Power Socket: Standard AC/HVDC power inlet.

Technical Specifications

Item	Specification
Dimensions (H × W × D)	39.6 mm × 66.0 mm × 215 mm (1.56 in. × 2.6 in. × 8.46 in.)
Weight without packaging	1.0 kg (2.20 lb)
Number of Inputs	1
Rated Input Voltage	AC Input: 100 V AC to 240 V AC, 50 Hz / 60 Hz High-Voltage DC Input: 240 V DC
Input Voltage Range	AC Input: 90 V AC to 290 V AC, 45 Hz to 65 Hz High-Voltage DC Input: 190 V DC to 290 V DC
Maximum Input Current	100 V AC to 240 V AC: 8 A 240 V DC: 4 A
Rated Output Voltage	12 V DC
Rated Output Current	50 A
Rated Output Power	600 W
Power Dissipation Mode	Forced air cooling with built in fan (Power panel side exhaust)
Hot Swapping	Supported

Panel Indicators

Silkscreen	Name	Status	Description
STAT	Power status indicator	Green (Steady on)	The output of the AC power module is normal.
		Off	• Input is abnormal (no input, overvoltage, or undervoltage). • Output is abnormal (such as 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 Current Limiting Protection	Provides intermittent output current and automatically restores normal power supply once current returns to normal range.
	Output Overvoltage Protection	Shuts down output intermittently and automatically restores power output once overvoltage is cleared.
	Output Short-Circuit Protection	Provides intermittent output current and automatically resumes power supply once the short circuit is cleared.
Thermal & Operation	Overtemperature Protection	Stops power supply when module temperature exceeds threshold. Automatically resumes when temperature falls into normal range.
	Heat Dissipation	Active heat dissipation through built-in fan modules (panel side exhaust).
	Hot Swapping	Supported in redundant power supply configurations during normal device operation.

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 operating range.

Source: Huawei Hardware Description, section "PAC600S12-PB (600W AC & 240 V DC Power Module)". Figures and representations in this document are for reference only. Information is subject to change without notice.