HUAWEI eKit

Huawei PAC80S12-CN

80 W AC Power Module Datasheet

66 mm Width Case | Fanless Natural Heat Dissipation | Hot-Swappable

Product Overview

The **PAC80S12-CN** is an 80 W AC power supply module built into a compact 66 mm wide form factor. Designed for completely silent operation, it features natural heat dissipation without internal cooling fans. It accepts wide AC input range (100 V AC to 240 V AC / 240 V DC) and provides a continuous rated 12 V DC output up to 6.67 A. The module fully supports hot swapping, allowing seamless replacement without interrupting system operation.

Basic Information

Item	Details
Model	PAC80S12-CN
Part Number	02131835
Description	80W AC Power Module (66mm Width Case, No Fans)

Panel Layout

1. **Power Indicator (STAT):** Visual LED for system power and operating status monitoring.
2. **Handle:** Ergonomic latch handle designed for quick installation and hot-swappable removal.
3. **Power Socket:** Standard AC power input socket.

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	0.525 kg (1.16 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–66 Hz) | 190 V DC to 290 V DC
Maximum Input Current	2 A
Rated Output Voltage	12 V DC
Rated Output Current	6.67 A
Rated Output Power	80 W
Heat Dissipation Mode	Natural heat dissipation (Fanless)
Hot Swapping	Supported

Panel Indicators

Silkscreen	Name	Status	Description
STAT	Running status indicator	Green (Steady on)	The power module is working normally.
		Steady off	• Power input is abnormal (no input, overvoltage, or undervoltage). • Power output is abnormal (overvoltage, overcurrent, short circuit, undervoltage, or overtemperature).

Functions and Features

Category	Feature	Description
Input Protection	Input Undervoltage Protection	Stops power supply. Automatically resumes when input voltage restores to normal range.
	Input Overvoltage Protection	Stops power supply. Automatically resumes when input voltage restores to normal range.
	Input Overcurrent Protection	Stops power supply. Does **not** automatically resume power supply when input current restores; requires reset.
Output Protection	Output Overvoltage Protection	Supplies power intermittently. Automatically resumes normal supply when output voltage restores to normal range.
	Output Overcurrent Protection	Supplies power intermittently. Automatically resumes when output current falls back within allowable limits.
	Output Short-Circuit Protection	Supplies power intermittently. Automatically resumes when short circuit is removed.
Thermal & Operation	Overtemperature Protection	Stops power supply when temperature exceeds threshold. Automatically resumes when temperature falls within normal range.
	Hot Swapping	Fully supported without interrupting host system operation.

> **Operational Note:** When a power module enters overtemperature protection state, take measures to lower the ambient temperature. The power module will automatically start supplying power again once the temperature falls within the normal range.

Source: Huawei Hardware Description, section "PAC80S12-CN (80W AC Power Module)". Figures and representations in this document are for reference only. The information is subject to change without notice.