HUAWEI eKit

Huawei PDC400S12-CB

400W DC Power Module Datasheet

-48 V to -60VDC/+48VDCinput | 12.3V/32.5Aoutput | BacktoFront Airflow

Product Overview

The **PDC400S12-CB** is a 400 W DC power module with back-to-front airflow; its built-in fan exhausts air from the power panel side. It accepts a -48 V DC to -60 V DC (or +48 V DC) input and delivers a rated output of 12.3 V at 32.5 A. The device supports 1+1 power module redundancy, so a module can be hot-swapped without interrupting operation. It is designed for use in the HiSecEngine USG6000F series switches and firewalls.

Product Highlights

- **400 W rated output power;** 12.3 V / 32.5 A rated output
- **Flexible input voltage:** Rated -48 V DC to -60 V DC / +48 V DC (Operating range: -38.4 V to -72 V DC / +38.4 V to +57 V DC)
- **High Reliability:** Hot swapping supported; 1+1 power module redundancy
- **Efficient Cooling:** Built-in fan with back-to-front airflow (exhaust on the power panel side)
- **Comprehensive Protection:** Input undervoltage/overvoltage/overcurrent, output overcurrent/overvoltage/short-circuit (with module lock), and overtemperature protection with automatic recovery
- **Compact Form Factor:** Dimensions 39.6 × 66 × 215 mm (H × W × D), weight 1.0 kg

Usage Notes

- Connect the **black wire** to the RTN (+) terminal and the **blue wire** to the NEG (-) terminal.
- **Front-end protection:** Use a C16 (or lower) circuit breaker for one power module per breaker; use C25 (or higher) if one breaker feeds multiple power modules.

Product Specifications - Basic Information

Item	Value
Model	PDC400S12-CB
Part Number	02314VUG
Description	400W DC Power Module (Back to Front, Power panel side exhaust)

Source: HiSecEngine USG6000F Series Hardware Guide, Hardware Description, section "PDC400S12-CB". The information in this document is subject to change without notice. Huawei and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

Technical Specifications

Item	Specification
Dimensions without packaging (H × W × D)	39.6 mm × 66 mm × 215 mm (1.56 in. × 2.60 in. × 8.46 in.)
Weight without packaging	679 g
Rated Input Voltage	-48 V DC to -60 V DC / +48 V DC
Input Voltage Range	-38.4 V DC to -72 V DC / +38.4 V DC to +57 V DC
Maximum / Rated Input Current	10 A / 12 A
Rated Output Voltage / Current	12.3 V / 32.5 A
Rated Output Power	400 W
Hot Swapping	Supported (1+1 Redundancy)

Functions and Features

Feature	Description
Input Protection	Undervoltage, Overvoltage (auto-restore); Overcurrent protection (latched).
Output Protection	Overcurrent, Overvoltage, and Short-circuit protection with auto-recovery and module lock protection.
Overtemperature Protection	Stops output at high temperature threshold; auto-restores when temperature drops back.
Airflow / Heat Dissipation	Built-in fan exhausting air from the power panel side (Back to Front).

Version Mapping

Product	Product Model	First Supported Version
USG6635F	USG6635F-DC (02355FDP) / (02355FDP-002)	V600R024C00 / V600R025C10
USG6636F	USG6636F-DC (02356NLK)	V600R024C10
USG6715F	USG6715F-DC (02354TQE) / (02354TQE-001)	V600R024C00