HUAWEI eKit

Huawei PDC1000S56-EB

1000 W PoE DC Power Module Datasheet

66 mmWidthCase | PowerPanelSideExhaust | Fan-Cooled | Hot-Swappable

Product Overview

The **PDC1000S56-EB** is a 1000 W PoE DC power module built into a compact 66 mm wide case with active heat dissipation via integrated fan (power panel side exhaust). Designed for high-capacity PoE network deployments, it operates from a rated -48 V DC to -60 V DC input and delivers dual rated output voltage options of 53.5 V DC or 55.5 V DC with output currents up to 18.69 A and 18.02 A respectively. The module fully supports hot swapping within redundant power systems.

Basic Information

Item	Details
Model	PDC1000S56-EB
Part Number	02313XRB
Description	1000 W PoE DC Power Module (66 mm Width case, Power panel side exhaust)

Panel Elements

1. Lock
2. Running status indicator (STAT)
3. Air vent hole
4. Handle
5. Airflow flag (air out)
6. Power socket

Version Mapping

Product	Product Model	First Supported Version	Limitations
S8700	S8700-4 (02116709)	V600R022C00	-
	S8700-4 (02116709-001)	V600R024C10	-

Source: Huawei Hardware Description, section "PDC1000S56-EB (1000 W PoE DC Power Module)". Figures and representations in this document are for reference only. The information is subject to change without notice.

Technical Specifications

Item	Specification
Dimensions (H × W × D)	40 mm × 66 mm × 215 mm (1.57 in. × 2.6 in. × 8.46 in.)
Weight without packaging	1.1 kg (2.43 lb)
Number of Inputs	1
Rated Input Voltage	-48 V DC to -60 V DC
Input Voltage Range	-38.4 V DC to -72 V DC
Maximum Input Current	30 A
Rated Output Voltage	53.5 V DC or 55.5 V DC
Rated Output Current	18.69 A @ 53.5 V | 18.02 A @ 55.5 V
Rated Output Power	1000 W
Power Dissipation Mode	Heat dissipation with fan (Power panel side exhaust)
Hot Swapping	Supported

Indicators

Silkscreen	Name	Color / Status	Description
STAT	Running status indicator	Green (Steady on)	The power module output is normal.
		Green (Fast blinking - 4 Hz)	Online loading.
		Steady off	• Power module is powered on but not inserted into the system. • Input is normal but no output due to overtemperature protection, output overcurrent, output overvoltage, short circuit protection, or component failure. • Input is abnormal or no output due to lack of input.

Functions and Features

Function / Feature	Description
Input Undervoltage Protection	The power module turns off and stops supplying power. Automatically resumes power supply once the fault is eliminated.
Output Overvoltage Protection	The power output is locked. Cannot automatically resume power supply.
Output Overcurrent Protection	Operates in hiccup protection mode. If entered multiple times, the output is locked and cannot automatically resume.
Output Short-Circuit Protection	Operates in hiccup protection mode. If entered multiple times, the output is locked and cannot automatically resume.
Overtemperature Protection	Stops power output when temperature exceeds threshold; automatically resumes when temperature falls into normal range.