

Ruijie RG-PA1000I-P-F Power Module Datasheet

Datasheet

V1.0

Ruijie Networks Co., Ltd.

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Contents

1	Product Pictures.....	1
2	Overview	2
3	Features.....	3
4	Specifications	5
5	LED	6

1 Product Pictures



Figure 1 RG-PA1000I-P-F

2 Overview

The RG-PA1000I-P-F module is an AC module (AC/HVDC input and DC output) providing an output voltage of 56 V and an output power of up to 1000 W (PoE power: 740 W).

3 Features

Item	Specification
Power Supply Model	RG-PA1000I-P-F
Rated Input Voltage Range	AC Input: 100 V AC to 240 V AC, 50 Hz/60 Hz HVDC Input: 240 V DC
Maximum Input Voltage Range	AC Input: 90 V AC to 264 V AC, 47 Hz/63 Hz HVDC Input: 192 VDC to 288 VDC
Maximum Input Current	12 A (Input Voltage: 100 V AC) 8 A (Input Voltage: 200 V AC)
Output Voltage	56 V
Maximum Output Current	17.86 A (Input Voltage: 176 V AC to 290 V AC or 190 V DC to 290 V DC) 16.61 A (Input Voltage: 90 V AC to 176 V AC, 176 V AC not included)
Maximum Output Power	1000 W (Input Voltage: 176 V AC to 290 V AC or 190 V DC to 290 V DC) 930 W (Input Voltage: 90 V AC to 176 V AC, 176 V AC not included)
PoE Power Consumption	740 W (Dual power supply modules: 1480 W)
Ground Leakage	≤ 3.5 mA

Current	
Dimensions (W x D x H)	196 mm x 90 mm x 40 mm (7.72 in. x 3.54 in. x 1.57 in.)
Weight	1 kg (2.20 lbs.)
Operating Temperature	-10°C to 55°C (14°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Relative Humidity Operating	5% to 95% RH (non-condensing)
Relative Humidity Storage	5% to 95% RH (non-condensing)
Operating Height	0 to 5000 m (3.11 miles) above the sea level

4 Specifications

Features	Benefit
Conformal Coating	Moisture-proof, salt spray-proof, mold-proof, insulation-proof and leak-proof
Protection	Undervoltage protection, output overcurrent protection, output overvoltage protection and output short circuit protection
I2C Communication	The switch can communicate with the power supply module through I2C.
Power Redundancy	System supports 1+1 power redundancy when the power consumption is less than 740 W. Dual power supply modules are connected in parallel for current sharing.
Hot Swapping	In the power redundancy mode, the power supply module can be replaced when the system is powered on.
Alarming	When a power fault occurs, the output status LED turns off.

5 LED

	Color	Status
Function	Off	The power supply module is not connected with a power cord.
	Solid Red	A power output error occurs, including fan fault, output short-circuit, output overcurrent protection, output overvoltage protection, power supply failure and overheat protection.
	Solid Green	The power supply module is outputting power normally.