

Ruijie RG-PA550I II-F Power Module Datasheet V1.0

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1. Product Overview

The RG-PA550I II-F is an AC module (AC/HVDC input and DC output) providing an output voltage of 12 V and an output power of up to 550 W. It is an intelligent power module that can obtain information such as the power status, output power, output current, and operating temperature in real time.

2. Product Appearance



Figure 1 Appearance of the RG-PA550I II-F

3. Product Feature

Power Supply Redundancy

The RG-PA550I II-F supports power redundancy. Dual power supply modules are connected in parallel for current sharing.

Hot Swapping

In the power redundancy mode, the RG-PA550I II-F supports to disconnect one redundant power supply module from the outside power supply system, plug and unplug power supply modules while the device is powered on.

Security Protection Policies

The RG-PA550I II-F provides undervoltage protection, output overcurrent protection, output overvoltage protection and output short circuit protection.

Conformal Coating

Protects circuits against moisture, frog, mold, electrical shock and leakage, and so on.

Real-time monitoring

Allows the host to communicate with the power supply module and real-time read the output power, output current, temperature, and other information of the power module.

Power Supply Alarm

The RG-PA550I II-F supports power supply alarm. When a power fault occurs, the output status LED turns off.

4. Product Specification

Technical Specification

Power Model	RG-PA550I II-F
Input Specifications	
Rated input voltage	AC input: 100 V AC to 240 V AC; 50 Hz to 60 Hz HVDC input: 240 V DC
Maximum input voltage	AC input: 90 V AC to 290 V AC; 47 Hz to 63 Hz HVDC input: 192 V DC to 288 V DC
Maximum input current	AC input: 7.2 A HVDC input: 3.6 A (Rated Current)
Input leakage current	≤ 1.75 mA
Output Specifications	
Output voltage	12 V, 12 VSB
Maximum output current	12 V output: 0 to 45 A 12 VSB output: 0 to 2.1 A
Maximum output power	550 W
Dimensions and Weight	
Dimensions (W x D x H)	185 mm x 73.5 mm x 39 mm (7.28 in. x 2.89 in. x 1.54 in.)
Weight	Net weight: 0.74 kg (1.63 lbs.)
Environmental Specifications	
Primary airflow	Front-to-rear: Air intake from the front panel and air outlet from the connector
Operating temperature	-10°C to +55°C (14°F to 131°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Operating humidity	10% to 95% (non-condensing)

Power Model	RG-PA550I II-F
Storage humidity	5% to 95% (non-condensing)
Operating altitude	0 m to 5,000 m (0 ft. to 16404.20 ft.)
Other Specifications	
Power cord requirement	10 A power cord

LED Indicator

There is one power module LED on the panel of the RG-PA550I II-F. It is used to indicate the input and output status of the power module.

LED	Status	Meaning
Status LED	Off	There is no AC input.
	Solid green	The power module is outputting power normally.
	Blinking green at a rate of 1Hz	There is no power output.
	Blinking amber at a rate of 1Hz	There is an alarm generated but the power module still works.
	Solid amber	A power fault occurs.

5. Ordering Information

Model	Description
RG-PA550I II-F	550 W AC power supply module (supports HVDC input)

Applicable switches for the RG-PA550I II-F:

Series	Model
RG-S6150-X series	RG-S6150-48VS8CQ-X
	RG-S6150-24VS8CQ-X
RG-S7600 series	RG-S7610-10SFG2CQ
	RG-S7610-10SFX2CQ
	RG-S7620-20SFG2CQ
	RG-S7620-20SFX2CQ

6. Warranty

For more information about warranty terms and period, contact your local sales agency:

Warranty terms: <https://www.ruijienetworks.com/support/servicepolicy>

Warranty period: https://www.ruijienetworks.com/support/service_41

Note: The warranty terms are subject to the terms of different countries and distributors.

7. More Information

For more information about Ruijie Networks, visit the official Ruijie website or contact your local sales agency:

Ruijie Networks official website: <https://www.ruijienetworks.com/>

Online support: <https://www.ruijienetworks.com/support>

Hotline support: <https://www.ruijienetworks.com/support/hotline>

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