Ruijie RG-PA70 Series Power Module Datasheet
V1.0

Ruijie Networks Co., Ltd.

1. Product Overview

The RG-PA70IB and RG-PA70I are AC modules (AC/HVDC input and DC output) providing an output voltage of 12 V and an output power of up to 70 W.

2. Product Appearance

Figure 1 Appearance of the RG-PA70IB

Figure 2 Appearance of the RG-PA70I

3. Product Feature

Power Supply Redundancy

The RG-PA70 series power modules supports power redundancy. Dual power supply modules are connected in parallel for current sharing.

Hot Swapping

In the power redundancy mode, the RG-PA70 series power modules 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-PA70 series power modules 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.

I2C Communication

Allows the host to communicate with the power supply module by I2C.

Power Supply Alarm

The RG-PA70 series supports power supply alarm. When a power fault occurs, the output status LED turns off.

4. Product Specification

Technical Specification

Power Model	RG-PA70IB	RG-PA70I
Input Specifications		
Rated input voltage	AC input: 100 V AC to 240 V AC; 50 to 60 Hz HVDC input: 240 V DC	AC input: 100 V AC to 240 V AC; 50 to 60 Hz HVDC input: 240 V DC

Power Model	RG-PA70IB	RG-PA70I
Maximum input voltage	AC input: 90 V AC to 290 V AC; 47 to 63 Hz HVDC input: 192 V DC to 288 V DC	AC input: 90 V AC to 290 V AC; 47 to 63 Hz HVDC input: 192 V DC to 288 V DC
Maximum input current	2 A	2 A
Input leakage current	≤ 1.75 mA	≤1.75 mA
Output Specifications		
Output voltage	12 V	12 V
Maximum output current	5.83 A	5.83 A
Maximum output power	70 W	70 W
Dimensions and Weight		
Dimensions (W x D x H)	196 mm x 50.5 mm x 40mm (7.72 in. x 1.99 in. x 1.57 in.)	156 mm x 50.5 mm x 38 mm(6.14 in. x 1.99 in. x 1.50 in.)
Weight	Net weight: 0.4 kg (0.88 lbs.)	Net weight: 0.4 kg (0.88 lbs.)
Environmental Specifications		
Primary airflow	Natural cooling	Natural cooling
Operating temperature	-10°C to +55°C (14°F to +131°F)	-10°C to +50°C (14°F to +122°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
Operating humidity	5% to 95% (non-condensing)	10% to 90% (non-condensing)
Storage humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)
Operating altitude	0 m to 5,000 m (0 ft. to 16404.20 ft.)	0 m to 5,000 m (0 ft. to 16404.20 ft.)
Other Specifications		
Power cord requirement	10 A power cord	10 A power cord

LED

There is one power module LED on the panel of the RG-PA70 series power modules. It is used to indicate the output status of the power module.

LED	Status	Meaning
Output Status LED	Off	The power supply module is not outputing power properly.
	On	The power supply module is outputing power normally.

5. Ordering Information

Model	Description
RG-PA70IB	70 W AC power supply module (supports HVDC input)
RG-PA70I	70 W AC power supply module (supports HVDC input)

Applicable switches for the RG-PA70IB:

Series	Model
RG-S5310-E series	RG-S5310-24GT4XS-E
	RG-S5310-48GT4XS-E
	RG-S5310-24SFP4XS-E
RG-S5760C-X series	RG-S5760C-48GT4XS-X (later versions of 12.5(4)B0701)
	RG-S5760C-24GT8XS-X (later versions of 12.5(4)B0701)

Applicable switches for the RG-PA70I:

Series	Model
RG-S5750-H series	RG-S5750C-28GT4XS-H
	RG-S5750C-28SFP4XS-H
	RG-S5750C-48GT4XS-H

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

Email support: service_rj@ruijienetworks.com