

Ruijie RG-PA150, PD150 Series Power Module Datasheet V1.1

Ruijie Networks Co., Ltd.

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1. Product Overview

The RG-PA150I-F and RG-PA150IB-F are AC modules (AC/HVDC input and DC output) providing an output voltage of 12 V and an output power of up to 150 W.

The RG-PD150IB-F is a DC module (DC/LVDC input and DC output) providing an output voltage of 12 V and an output power of up to 150 W.

2. Product Appearance



Figure 1 Appearance of the RG-PA150IB-F



Figure 2 Appearance of the RG-PA150I-F



Figure 3 Appearance of the RG-PD150IB-F

3. Product Feature

Power Supply Redundancy

The RG-PA150I-F, RG-PA150IB-F, and RG-PD150IB-F support power redundancy. Dual power supply modules are connected in parallel for current sharing.

Hot Swapping

The RG-PA150I-F, RG-PA150IB-F, and RG-PD150IB-F support 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-PA150I-F, RG-PA150IB-F, and RG-PD150IB-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.

I2C Communication

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

Power Supply Alarm

The RG-PA150I-F, RG-PA150IB-F, and RG-PD150IB-F supports power supply alarm. When a power fault occurs, the output status LED turns off.

4. Product Specification

Technical Specification

Power Model	RG-PA150I-F	RG-PA150IB-F	RG-PD150IB-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	AC input: 100 V AC to 240 V AC; 50 Hz to 60 Hz HVDC input: 240 V DC	DC input: -48 V DC to -60 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	AC input: 90 V AC to 290 V AC; 47 Hz to 63 Hz HVDC input: 192 V DC to 288 V DC	DC input: -36 V DC to -75 V DC
Maximum input current	3 A	3 A	5 A
Input leakage current	≤ 3.5 mA	≤ 3.5 mA	\
Output Specifications			
Output voltage	12 V	12 V	12 V
Maximum output current	12.5 A	12.5 A	12.5 A
Maximum output power	150 W	150 W	150 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.)	196 mm x 50.5 mm x 40mm (7.72 in. x 1.99 in. x 1.57 in.)	196 mm x 50.5 mm x 40mm (7.72 in. x 1.99 in. x 1.57 in.)
Weight	Net weight: 0.55 kg (1.21 lbs.)	Net weight: 0.55 kg (1.21 lbs.)	Net weight: 0.55 kg (1.21 lbs.)
Environmental Specifications			

Power Model	RG-PA150I-F	RG-PA150IB-F	RG-PD150IB-F
Primary airflow	Rear-to-front: Air intake from the connecting finger and air outlet from the front panel	Rear-to-front: Air intake from the connecting finger and air outlet from the front panel	Rear-to-front: Air intake from the connecting finger and air outlet from the front panel
Operating temperature	-10°C to +55°C (14°F to 131°F)	-10°C to +55°C (14°F to 131°F)	-10°C to +55°C (14°F to 131°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)	-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)	5% to 95% (non-condensing)	5% to 95% (non-condensing)
Storage humidity	5% to 95% (non-condensing)	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.)	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	DC power cord equal to or greater than 1.5 mm ²

LED

There is one power module LED on the panel of the RG-PA150I-F, RG-PA150IB-F, and RG-PD150IB-F power modules. It is used to indicate the input and output status of the power module.

LED	Status	Meaning
Output Status LED	Off	There is no power output or output fault occurs.
	On	Power output is normal.

5. Ordering Information

Model	Description
RG-PA150I-F	150 W AC power supply module (supports HVDC input)
RG-PA150IB-F	150 W AC power supply module (supports HVDC input)
RG-PD150IB-F	150 W DC power supply module (supports LVDC input)

Applicable switches for the RG-PA150I-F:

Series	Model
RG-S5760-X Series	RG-S5760C-24GT8XS-X
	RG-S5760C-24SFP/8GT8XS-X

Series	Model
	RG-S5760C-48GT4XS-X
	RG-S5760C-48SFP4XS-X
RG-S5750-H Series	RG-S5750C-48SFP4XS-H
RG-S6120 Series	RG-S6120-20XS4VS2QXS
RG-CS85 Series	RG-CS85-48GT4XS-D
	RG-CS85-24GT8XS-D
	RG-CS85-24SFP/8GT8XS-D
	RG-CS85-48SFP4XS-D
RG-CS86-20XS Series	RG-CS86-20XS4VS2QXS-D

Applicable switches for the RG-PA150IB-F:

Series	Model
RG-S5760-X Series	RG-S5760C-24GT8XS-X
	RG-S5760C-24SFP/8GT8XS-X
	RG-S5760C-48GT4XS-X
	RG-S5760C-48SFP4XS-X
RG-S5300-E Series	RG-S5310-48SFP4XS-E
RG-CS85 Series	RG-CS85-48GT4XS-D
	RG-CS85-24GT8XS-D
	RG-CS85-24SFP/8GT8XS-D
	RG-CS85-48SFP4XS-D

Applicable switches for the RG-PD150IB-F:

Series	Model
RG-S5760-X Series	RG-S5760C-24GT8XS-X
	RG-S5760C-24SFP/8GT8XS-X
	RG-S5760C-48GT4XS-X
	RG-S5760C-48SFP4XS-X

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