

## Overview

FLEXPPOWER RD SERIES is a networked 12/24VDC single or dual voltage, rackmount power system with multiple power distribution outputs specifically designed for use within the access, security, CCTV, and mass notification segments of the life safety industry. Multiple output options provide for simple power distribution for auxiliary equipment power.

Network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving the cost in on-site servicing. *Models ending in "/>E" are preset for a 230VAC input from the factory.*

Available with either two, eight, or sixteen, continuous or switched power outputs, each output is fused at 3A (H variant is 5A) and individually protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield™). The unit is selectable for 12 or 24VDC (default factory setting is 12VDC), with the switched power output user selectable for either failsafe or failsecure (ON-OFF) operation when the fire alarm input is initiated (default factory setting is failsafe).

## Models

Single Voltage: **RD150x** 12 or 24VDC selectable

Dual Voltage: **RD150B** Fixed 4A/12V and 4A/24V

Dual Voltage: **RD150/150** 12 or 24VDC selectable PS1, PS2

*Factory default setting on all FPO power supplies is 12VDC*

*Factory default Input voltage setting for models ending in "/>E" is 230VAC*

*All dual voltage models allow each output to be individually set for 12 or 24VDC*

## Rackmount Features

- 120VAC input or user select 230VAC supports data center electrical systems
- Each input and output has dedicated two terminal pair
- Direct power supply output terminals for flexibility
- High capacity battery charging | Independent charging circuit
- Automotive fuses for improved ease of service
- Removable faceplate for serviceability

### Comprehensive fault detection and reporting

- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

### Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed, Voltage, or Polarity Reversal Activation

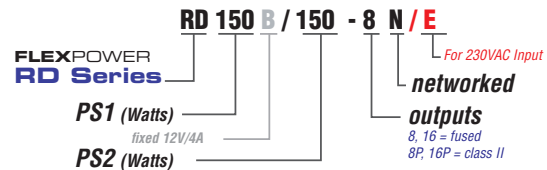
### Lifetime Warranty

## Specifications

<b>Input Power</b>	Input 120/230 VAC 50/60 Hz Thermal overload protection / Short circuit protection			<i>Models with "/&gt;E" suffix are factory preset to 230VAC</i>
<b>Output Power</b>	RD150	150 Watts:	12 amps at 12 VDC or 6 amps at 24 VDC	<i>Factory default setting on all power supplies is 12VDC</i>
	RD150B	150 Watts:	4 amps at 12 VDC and 4 amps at 24 VDC	
	RD150/150	300 Watts:	<b>PS1</b> 12A/12VDC or 6A/24VDC <b>PS2</b> 12A/12VDC or 6A/24VDC	
<b>Output Distribution</b>	Optional eight or sixteen auxiliary outputs fused at 3A each   8P, 16P outputs are Class II power limited at 2.5A each - Individually selectable outputs on dual voltage systems			
<b>Supervision</b>	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts), System Fault, AC Fault, Ground Fault, Reverse Battery			
<b>External Indicators</b>	AC on master on/off switch   Front Panel Individual Output Status LEDs			
<b>Battery Charging</b>	Maximum charge current 2.0 amp Independent built-in charger for sealed lead acid or gel type batteries   Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails   Zero voltage drop when switched over to battery backup			
<b>Regulatory Compliance</b>	UL294 / UL603 / ULC S318 / ULC S319 / CSA C22.2 #107.1 / CSA 22.2 #60950 / FCC / CE			
<b>BTU Rating</b>	RD150 66 BTU/Hr   RD150B 66 BTU/Hr   RD150/150 132 BTU/Hr			
<b>Physical Dimensions</b>	2U rack mount (19.00"W x 3.5"H x 14"D)   Weight 19 lbs.			



Network System



## OUTPUTS

Model No.	Power	Current	OUTPUTS	
			Bulk	Auxiliary
RD150N	150W	12A/12 or 6A/24	2	
RD150-8N	150W	12A/12 or 6A/24	2	8
RD150-16N	150W	12A/12 or 6A/24	2	16

### Dual Voltage No.

RD150B-8N	150W	4A/12 and 4A/24	2	8
RD150B-16N	150W	4A/12 and 4A/24	2	16
RD150/150-16N	300W	<b>PS1</b> 12A/12, 6A/24 <b>PS2</b> 12A/12, 6A/24	2	16

*\*For 230VAC operation add "/>E" suffix to the model number ie RD150N/E*

*For Class II power limited outputs add P after output number, ie RD150B-8PN*

*For remote monitoring and control see RS series datasheets*

## Network Features

- Monitor and report system integrity, battery health and output condition
- Remote diagnostic servicing of host power supply(s) and battery set
- Monitoring of DC output voltage/current, AC status, battery status, internal and external temperatures
- Conduct remote battery load tests or power cycle 8 bank output to reset devices
- Time / date stamp log reports on last 1000 events
- Email or SNMP Notification (get, set, trap)

## FAULT DETECTION AND REPORTING

### DETECTED FAULT CONDITIONS

#### AC Power

- AC loss, AC low, Master AC power switch

#### DC Power and System

- Abnormal or loss of power supply operation
- Over current, over temperature condition
- DC output high, low
- Battery Presence, Earth Ground (user optional)
- Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)

## POWER DISTRIBUTION

### DISTRIBUTED OUTPUTS

**8/16** - individually protected auxiliary outputs, fused at 3A per output

**8P/16P** - individually protected auxiliary outputs, class II power limited at 2.A per output

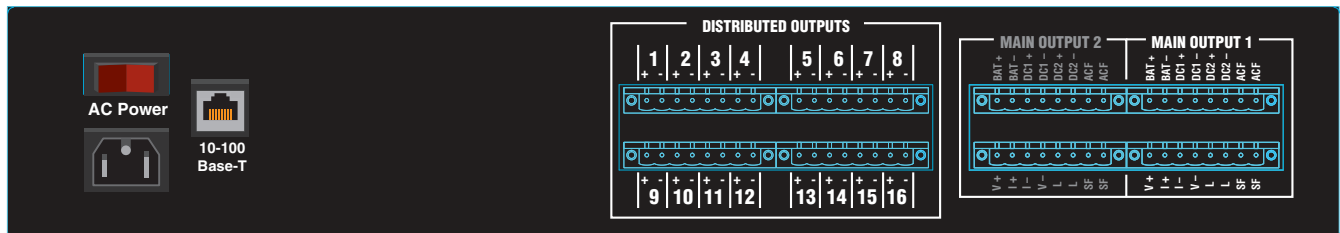
- Each output may be programmed for either voltage in dual voltage systems

#### Visual Indicators

- DC Presence: Green LED per output

**Removable terminals: accepts #12 to #24 AWG**

## RD-N Series rear panel



## lifesafetypower.com

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