

1U Type N+1 Redundant Power Supply

EFRP-303

ATX12V

- 300 watts Output Power**
- Power Factor Correction (PFC)**
- N+1 Redundant Configuration**
- Meet 1U Rack Mount System**



Dimensions: 97(W) x40 (H) x 234(D) mm

Features:

- ⦿ Compact size Module Design
- ⦿ Universal Power Input
- ⦿ Over Power Protection
- ⦿ Over Voltage Protection
- ⦿ Over Current Protection
- ⦿ Short Circuit Protection
- ⦿ Power Fault Alarm Signals
- ⦿ Hot Swappable Application
- ⦿ Active Power Factor Correction
- ⦿ Remote DC Sense on +5V and +3.3V
- ⦿ Current Sharing on +5V, +3.3V & +12V
- ⦿ Front panel LED to Indicate Power Status
- ⦿ MTBF >100,000 Hours

General Specifications:

- ⦿ Input Range: 100 to 240 VAC, +/-10%
- ⦿ Power Factor: 0.95 minimum
- ⦿ Efficiency: 65% minimum, at full load
- ⦿ Hold up Time: 20mS minimum, at full load
- ⦿ PSON (Remote ON/OFF): TTL, Active Low
- ⦿ Power Good: 100 to 500 ms, TTL compatible signal
- ⦿ Cooling Fan: 40x40x20mm
- ⦿ Operating Temperature: 0 to 50 centigrade degree
- ⦿ Operating Humidity: 20 to 90 %

Agency Requirements:

- ⦿ Harmonic: Meet EN61000-3-2 standards
- ⦿ EMI/RFI: CE, FCC class B and CISPR class B
- ⦿ Safety: UL, cUL, CB, TUV

Electrical Specifications:

Regulation, Ripple & Noise:

Output	+5V	+3.3V	+12V	-5V	-12V	5Vsb
Load Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	100mV	120mV	50mV

Input and Output Ratings:

Input			Output							
Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V	-5V	-12V	5Vsb
90 - 264 VAC	47-63 Hz	5A max	250W	Max Load	30A	28A	15A	0.3A	0.8A	2A
				Min Load	3A	0A	1A	0A	0A	0A

Note: 1. The +5 & +3.3 Volt combine total output shall not exceed 180W.

2. The +5, +3.3 and +12 Volt combine total output shall not exceed 280W.

3: Noise bandwidth is from DC to 20 MHz.

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Dimensions (Unit: mm):

