

# 1U Type N+1 Redundant Power Supply

## EFRP-303/356

ATX12V



Dimensions: 97(W) x40.3 (H) x 234(D) mm

- 300/350 watts Output Power**
- Power Factor Correction (PFC)**
- N+1 Redundant Configuration**
- Meet 1U Rack Mount System**

### 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 °C
- ⦿ 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
100 - 240 VAC	47-63 Hz	5-2.5A	300W	Max Load	30A	28A	15A	0.3A	0.8A	2A
				Min Load	3A	1A	1A	0A	0A	0A
100 - 240 VAC	47-63 Hz	6-3A	350W	Max Load	30A	28A	22A	0.3A	0.8A	2A
				Min Load	3A	1A	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(for EFRP-303) and 330W(for EFRP-356)

3: Noise bandwidth is from DC to 20 MHz.

**1U Type N+1 Redundant Power Supply**

**EFRP-303/356**

**Dimensions (Unit: mm):**

