

# 2U Type N+1 Redundant Power Supply

ATX12V

## EFRP-2250/2300

**250+250 watts Output Power**  
**300+300 watts Output Power**  
**N+1 Redundant Configuration**  
**Meet 2U Rackmount System**



Dimensions: 86(W) x 84(H) x 290(D) mm

### Features:

- ⦿ Universal Power Input
- ⦿ Quick Removable Application
- ⦿ Active Power Factor Correction
- ⦿ Compact size Module Design
- ⦿ Front panel LED to Indicate Power Status
- ⦿ Available for Vertical and Horizontal Type
- ⦿ Current Sharing on +5V, +3.3V & +12V
- ⦿ Remote DC Sense on +5V and +3.3V
- ⦿ Power Fault Alarm Signals
- ⦿ Over Voltage Protection
- ⦿ Over Current Protection
- ⦿ Over Power Protection
- ⦿ Short Circuit Protection
- ⦿ 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 compatible signal
- ⦿ Power Good: 100 to 500 ms, TTL compatible signal
- ⦿ Cooling Fan: 40x40x28 mm (SANYO)
- ⦿ Operating Temperature: 0 to 50 °C (For EFRP-2250)  
0 to 40 °C (For EFRP-2300)
- ⦿ 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, CCC

### Electrical Specifications:

#### Regulation, Ripple & Noise:

Output	+5V	+3.3V	+12V	-5V	-12V	5Vsb
Load Regulation	± 5%	± 5%	± 5%	± 10%	± 10%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	± 10%	± 10%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	60mV	60mV	120mV	100mV	120mV	70mV

#### Input and Output Ratings:

Model No	Input				Output						
	Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V	-5V	-12V	5Vsb
EFRP-2250	100-240 VAC	47-63 Hz	5-2.5A	250W	Max Load	25A	20A	16A	0.3A	0.8A	2A
					Min Load	3A	1A	1A	0A	0A	0A
EFRP-2300	100-240 VAC	47-63 Hz	6-3A	300W	Max Load	30A	25A	18A	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 140W for EFRP-2250 and 170W for EFRP-2300.

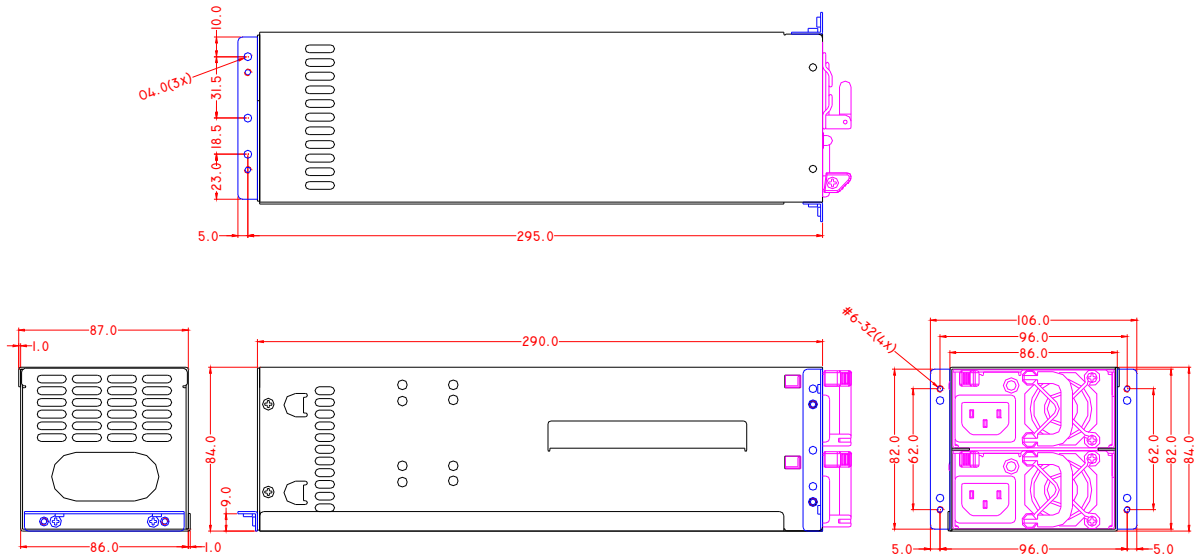
2. The +5, +3.3 and +12 Volt combine total output shall not exceed 230W for EFRP-2250 and 280W for EFRP-2300.

3: Noise bandwidth is from DC to 20 MHz.

# 2U Type N+1 Redundant Power Supply

## EFRP-2250/2300

Dimensions (Unit: mm):



Rev: 1.2, May. 29, 03