

# EFRP-P2A50S

## 2U 1500W 1+1 Redundant Power Supply

### Features:

- 2U Form Factor
- 1500W with ATX Outputs
- 80PLUS® Platinum Level Efficiency (Power Module)
- PMBus 1.2 Support
- N+1 Redundancy / Load Sharing
- 0~40°C Working Temperature

### General Specification

- ⊙ Input Range: 110 to 240 VAC, +/-10%
- ⊙ Power Factor: > 0.95 minimum
- ⊙ Efficiency: ≥94% at 230V output,50% Load (Power Module)
- ⊙ Hold Up Time: 16ms @ 70% Load
- ⊙ Short Circuit Protection
- ⊙ Over Current Protection
- ⊙ Over Voltage Protection
- ⊙ No Load Operation
- ⊙ MTBF >100,000 Hours@25°C
- ⊙ Operating Temperature: 0 to 40 °C
- ⊙ Operating Humidity: 20 to 90 %
- ⊙ EMI/RFI: CE, FCC class A
- ⊙ Safety: UL, TUV, CCC, CB



### Input and Output Characteristics

Input			Output					
Voltage	Frequency	Current	Load	+3.3V	+5V	+12V	-12V	+5Vsb
110~240VAC	47~63Hz	10~7.8A	Max.Load	24A	70A	79A (110VAC Input) 125A (220VAC Input)	0.5A	3.5A
			Min.Load	0A	0A	0.5A	0A	0.1A

#### Notes:

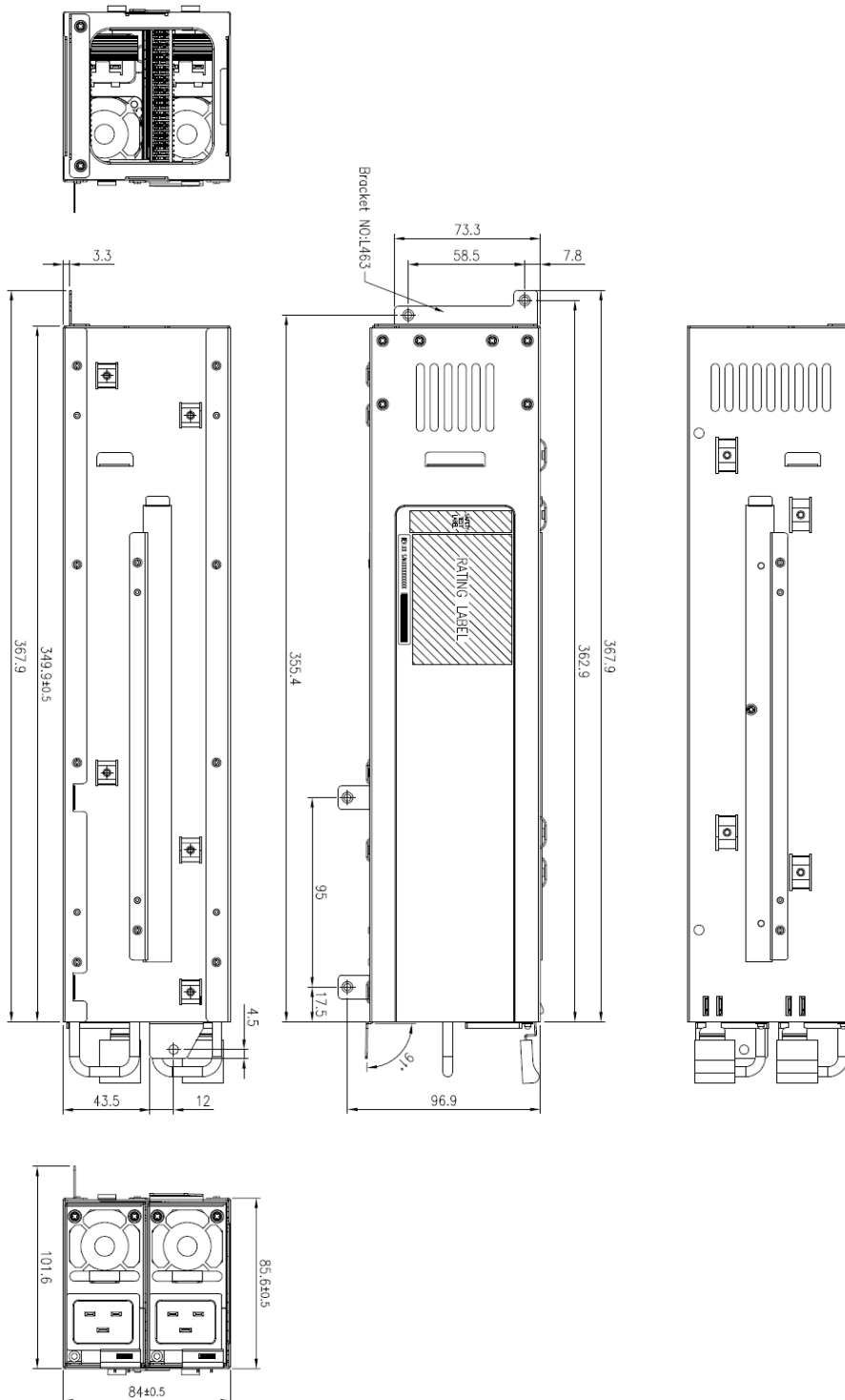
- 1: Total combined output power shall not exceed 950W at 110Vac input
- 2: Total combined output power shall not exceed 1500W at 220Vac input
3. 3.3V+5V combined load shall not exceed 300W

### Ripple and Noise

Output	+3.3V	+5V	+12V	-12V	5Vsb
Load Regulation	±5%	± 5%	± 5%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%
Ripple & Noise	60mV	60mV	120mV	130mV	60mV

# Mechanical Outline Drawing

Outline Dimension: 85.6x84x349.9(mm)



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