

2U Type N+1 Redundant Power Supply

ATX12V

EFRP-2303

EFRP-2356

300+300 watts Output Power
350+350 watts Output Power
N+1 Redundant Configuration
Meet 2U Rack Mount System



Dimensions: 100(W) x 85(H) x 258(D) mm

Features:

- ⦿ Universal Power Input
- ⦿ Compact size Module Design
- ⦿ Active Power Factor Correction
- ⦿ Available for Horizontal Type
- ⦿ Current Sharing on +5V, +3.3V & +12V
- ⦿ Front panel LED to Indicate Power Status
- ⦿ 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: 40x40x20 mm
- ⦿ Operating Temperature: 0 to 50 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% | ± 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 | 60mV |

Input and Output Ratings:

| Voltage | Input | | | Load | Output | | | | | |
|---------------|-----------|---------|------|----------|--------|-------|------|------|------|------|
| | Frequency | Current | Watt | | +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 (for EFRP-2303) and 200W (for EFRP-2356).

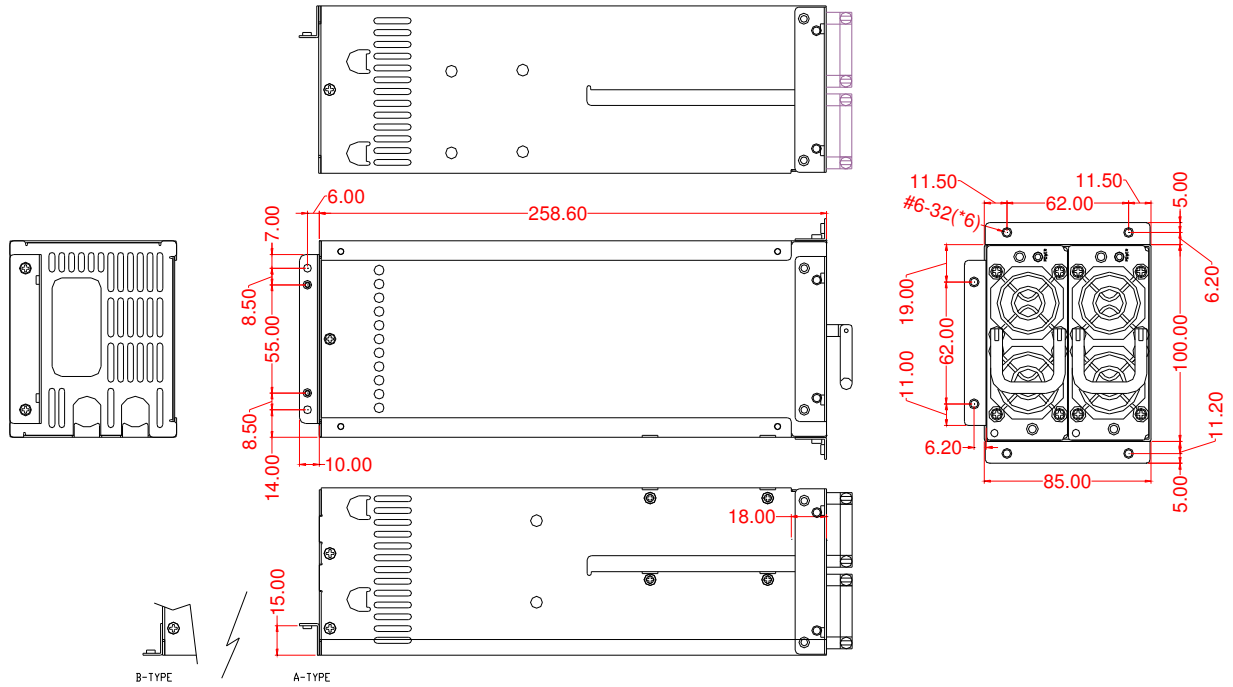
2. The +5, +3.3 and +12 Volt combine total output shall not exceed 280W (for EFRP-2303) and 330W (for EFRP-2356)

3: Noise bandwidth is from DC to 20 MHz.

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Dimensions (Unit: mm):



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