

# 4U Type N+1 Redundant Power Supply

## EFRP-4463 / 4553

EPS1U

**1200W +460W Output Power**

**1500W +550W Output Power**

**N+1 Redundant Configuration  
Meet 4U Rackmount System**



Dimensions: 101.2(W) x 167.2(H) x 300(D) mm

**Features:**

- ⦿ Compact size Module Design
- ⦿ Quick Removable Application
- ⦿ Active Power Factor Correction
- ⦿ Universal Power Input
- ⦿ Current Sharing on +5V, +3.3V and +12V
- ⦿ Remote DC Sense on +5V, +3.3V
- ⦿ Front panel LED to Indicate Power Status
- ⦿ 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, (for EFRP-4463)  
110 to 240 VAC, (for EFRP-4553)
- ⦿ Power Factor: 0.98 minimum
- ⦿ Efficiency: 65% minimum, at full load
- ⦿ Hold up Time: 20mS minimum, at full load
- ⦿ PSON (Remote ON/OFF): TTL compatible
- ⦿ Power Good: 200 to 500 ms, TTL compatible
- ⦿ Cooling Fan: 38x38x28 mm
- ⦿ Operating Temperature: 0 to 50 °C (for EFRP-4463)  
0 to 40 °C (for EFRP-4553)
- ⦿ Operating Humidity: 20 to 90 %

**Agency Requirements:**

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

**Electrical Specifications:**

**Regulation, Ripple & Noise:**

Output	+5V	+3.3V	+12V	-5V	-12V	5Vsb
Load Regulation	+5/-4 %	+5/-3 %	+5/-4 %	--	± 5%	± 5%
Cross Regulation	+5/-4 %	+5/-3 %	+5/-4 %	--	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	--	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	--	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	22-11A	1200W	Max Load	70A	65A	85A	--	1A	2A
				Min Load	6A	2A	2A	--	0A	0A
110 - 240 VAC	47-63 Hz	22-11A	1500W	Max Load	70A	65A	85A	--	1A	2A
				Min Load	6A	2A	2A	--	0A	0A

Note: 1. The +5 & +3.3 Volt combine total output shall not exceed 480W

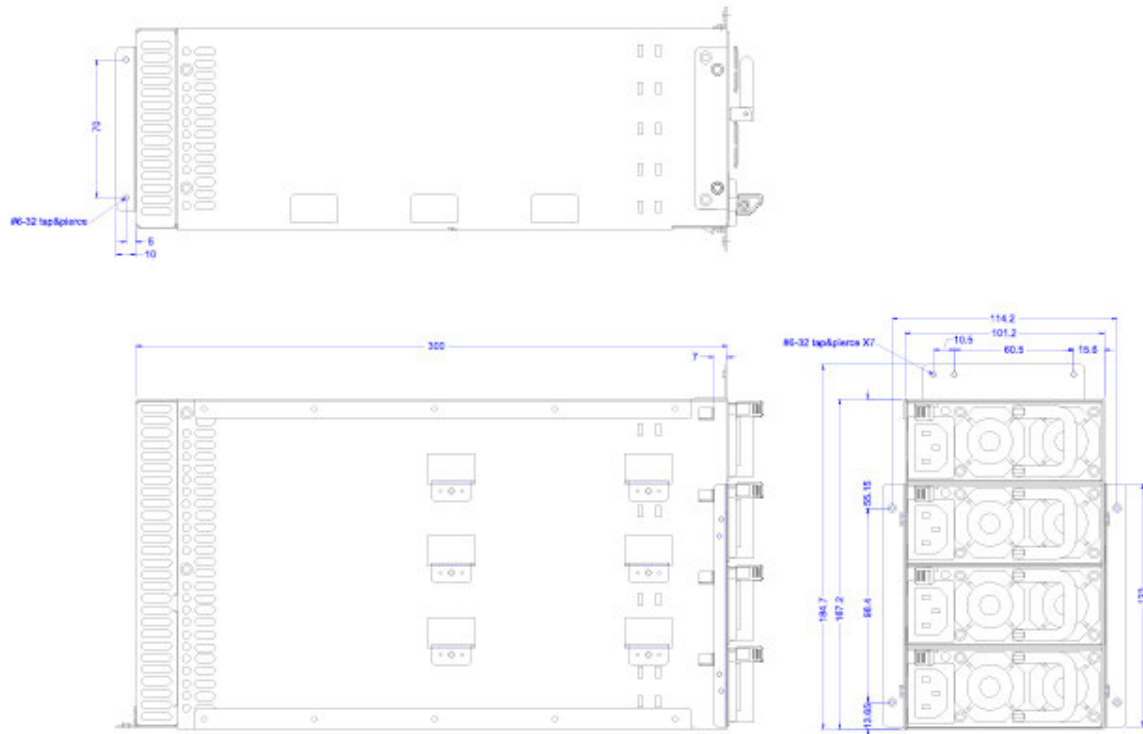
2. The +5, +3.3 and +12 Volt combine total output shall not exceed 1180W for EFRP-4463 and 1480W for EFRP-4553.

3: Noise bandwidth is from DC to 20 MHz.

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Dimensions (Unit: mm):



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