

3U Type N+1 Redundant Power Supply

EPS1U

T5820E 3F / T51000E 3F

820W +460W Output Power

1000W+550W Output Power

N+1 Redundant Configuration

Meet 3U Rackmount System



Dimensions: 101.2(W) x 125.7(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 and +12V
- ⦿ 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, $\pm 10\%$
- ⦿ 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 (SANYO DENKI)
- ⦿ Operating Temperature: 0 to 50 °C (for T5820E 3F)
0 to 50 °C (for T51000E 3F)
- ⦿ 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 %	--	$\pm 5\%$	$\pm 5\%$
Cross Regulation	+5/-4 %	+5/-3 %	+5/-4 %	--	$\pm 5\%$	$\pm 5\%$
Line Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	--	$\pm 1\%$	$\pm 1\%$
Ripple & Noise	50mV	50mV	120mV	--	120mV	50mV

Input and Output Ratings:

Voltage	Input			Load	Output					
	Frequency	Current	Watt		+5V	+3.3V	+12V	-5V	-12V	5Vsb
100 - 240 VAC	47-63 Hz	16A max	820W	Max Load	50A	45A	55A	--	1A	2A
				Min Load	6A	2A	2A	--	0A	0A
110 - 240 VAC	47-63 Hz	16A max	1000W	Max Load	50A	45A	55A	--	1A	2A
				Min Load	6A	2A	2A	--	0A	0A

Note: 1. The +5 & +3.3 Volt combine total output shall not exceed 320W

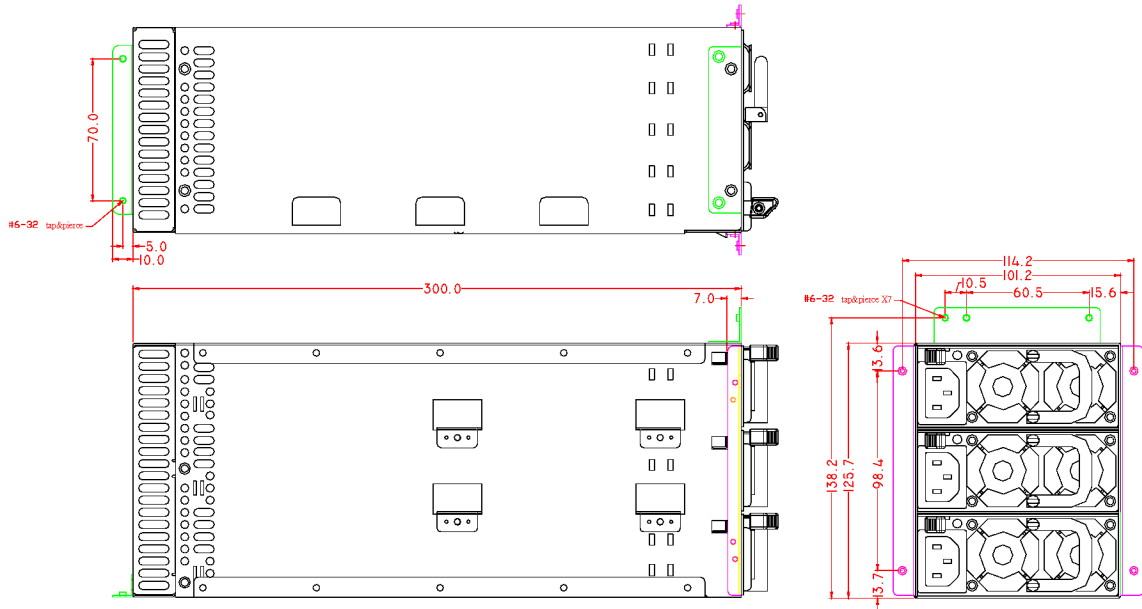
2. The +5, +3.3 and +12 Volt combine total output shall not exceed 800W for T5820E 3F and 980W for T51000E 3F

3: Noise bandwidth is from DC to 20 MHz.

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Dimensions (Unit: mm):



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