

2U Type N+1 Redundant Power Supply

EFRP-2553/2603

Dimension: 101.8(W) x 83.4(H) x 300(D) mm



Input / Output: AC / DC

- 550+550/600+600 watts Output Power
- Support to Dual Nocona Processors
- 3 Rails of 12V Output
- Meet 2U Rackmount System

Electrical Specifications

Regulation, Ripple & Noise

Output	+5V	+3.3V	+12V1	+12V2	+12V3	+12V	-5V	-12V	5Vsb
Load Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	-	-	+9%/-5%	± 5%
Cross Regulation	± 5%	± 5%	± 5%	± 5%	± 5%	-	-	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	-	-	± 1%	± 1%
Ripple & Noise	50mV	50mV	120mV	120mV	120mV	-	-	120mV	50mV

Input / Output Ratings

Model No.	Input			Output										
	Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V1	+12V2	+12V3	+12V	-5V	-12V	5Vsb
EFRP-2553	100-240 VAC	47-63 Hz	10-5A	550W	Max	20A	24A	15A	15A	15A	-	-	0.8A	2A
					Min	1A	1A	0.8A	0.8A	0.8A	-	-	0A	0.1A
EFRP-2603	100-240 VAC	47-63 Hz	12-6A	600W	Max	30A	24A	17A	17A	17A	-	-	0.8A	2A
					Min	1A	1A	0.8A	0.8A	0.8A	-	-	0A	0.1A

- Note:
- The +5 & +3.3 Volt combined total output shall not exceed 140W for EFRP-2553 /170W for EFRP-2603.
 - The +12V1,+12V2,+12V3 combined output current shall not exceed 42A for EFRP-2553.
 - The +12V1,+12V2,+12V3 combined output current shall not exceed 48A for EFRP-2603.
 - The +5, +3.3 & +12 Volt total output should not exceed 540W for EFRP-2553 and 580W for EFRP-2603 .
 - Maximum continuous total DC output should not exceed 550W for EFRP-2553.
 - Maximum continuous total DC output should not exceed 600W for EFRP-2603.

Features

- Hot Swappable Design
- Quick Removable Application
- Active Power Factor Correction
- Universal Power Input
- Remote DC Sense on +5V, +3.3V
- Front panel LED to Indicate Power Status
- Power Fault Alarm Signals
- I²C Function (Option)
- Over Voltage Protection
- Over Current Protection
- Over Power Protection
- Short Circuit Protection
- MTBF >100,000 Hours

General Specifications

- Input Range: 100 to 240 VAC
- Power Factor: 0.95 minimum
- Efficiency: 65% minimum, at full load
- Hold up Time: 17mS minimum
- PSON (Remote ON/OFF): TTL Signal
- Power Good: 200 to 500 ms, TTL Signal
- Cooling Fan: 38x38x28 mm
- Operating Temperature: 0 to 45-50 °C
- Operating Humidity: 20 to 90%

Agency Requirements

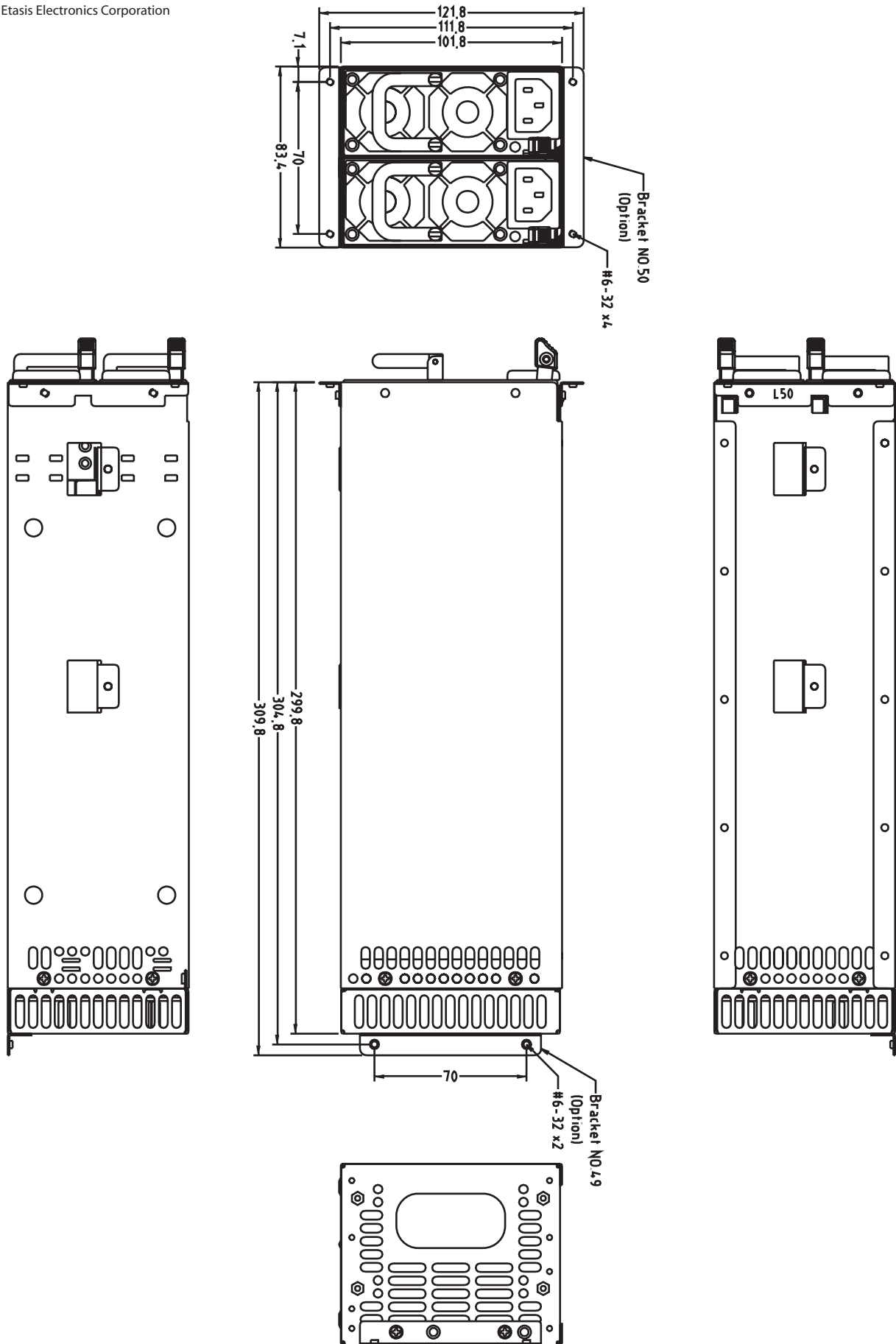
- Harmonic: Meet EN61000-3-2
- EMI/RFI: CE, FCC class B, BSMI
- Safety: UL, cUL, TUV, CB, CCC

Application

- Rackmount
- Server
- Industrial PC

Processors

- Xeon (Nocona)
- Xeon (Inwindale)
- Xeon (Woodcrest)



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