

Power For The New Technology

PS2448

Total Power	2400 Watts
Input Voltage	+/-190 VDC
Outputs	120/240VAC

SPECIAL FEATURES

- 120/240V inverter
- Pure 60Hz sine wave output
- UL, CSA, TUV, BABT Recognized
- Full microprocessor control providing sine reference synthesis, overtemperature and overcurrent protections
- Enable control (active high)
- EN55022 Class B
- Virtually any number of modules may be paralleled
- Excellent Current sharing
- Low profile height fits 1U system
- PCB – no chassis

ENVIRONMENTAL

Ambient Operating Temperature: +50°C

Humidity: Up to 95% non-condensing

Temperature coefficient: $\pm 0.01\%$ / °C

Storage Temperature: -20° to +85°C

Cooling: External cooling with 300LFM forced air



ELECTRICAL SPECIFICATIONS

Input

Input.....+/- 190VDC

Inrush Current<30 Amps peak
Non-Isolated

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

Complies with EN55022 & FCC Class B with minimum 6 dB margin

Efficiency.....> 95% typical at full load

Output

AC 2400W continuous, 3600W peak output power
either 120V or 240V

Line / Load Regulation... ..1%

Ripple and Noise < 1% typical

Transient Response...2% Maximum deviation;

Current Sharing; Parallelable current loop.

MECHANICAL

8.5" L X 2.0" H X 8.5" W (216 mm X 51 mm X 216 mm)

Input connector: P1 Molex or equivalent

Output connector: P2 Molex or equivalent

Status signals:

FAULT

AC Output Good



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Output

Over voltage protection 130% (Latching)
Over current protection 130% (Latching)

Over temperature protection reset with hysteresis

Short Circuit Protection.....Will withstand a continuous short without damage.

Minimum Load Rqmt.....See Voltage/Current chart.

No Load Operation.....No damage to supply when operating at no load.

Hold-Up Time.....22 mSec typical

Voltage/Current Rating Chart

Voltage	Current Minimum	Current Maximum
240VAC	0A	10A
120VAC	0A	20A

Pin Assignment

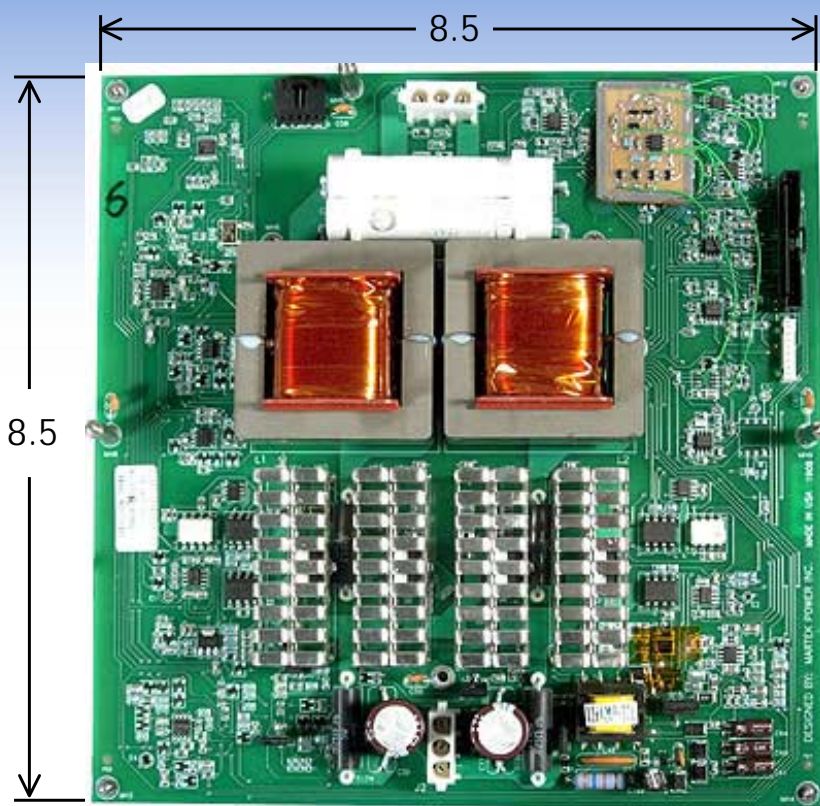
	PIN #	Function
Input	1	+190V
	2	+/-190V RTN
	3	-190V
Output	1	Line1 (240V) or Line (120V)
	2	Line 2 (240V) or Neutral (120V)
	3	Earth GND



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Mechanical Outline



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