

# Power For The New Technology

## PS2401

Total Power	200 Watts
Input Voltage	105-120Vac
Outputs	Two

### SPECIAL FEATURES

- AC feed through for normal operation
- DC to AC converter when AC power is lost (105-120VAC square wave)
- AC to DC battery charger (charges an external 42AH battery @ 12.6A)
- Power factor correction(PFC) Meets EN60601-1-2
- UL, CSA, TUV, BABT Pending
- FCC Class B EMI
- No fans
- Leakage current less than 100uA

### ENVIRONMENTAL

Ambient Operating Temperature: 0 to +40°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

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

Storage Temperature: -20° to +85°C

Cooling: Convection



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....105 -120 VAC; 58-63Hz;

Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 60601-1-2 AC Input line harmonic limits

Complies with FCC Class B with minimum 6 dB margin

Efficiency.....> 89% typical at full load

#### Output

AC Output.....Maximum continuous output power

200 Watts AC

12.6A to battery

See Voltage/Current Rating Chart.

Load Regulation.....10%

### MECHANICAL

Fully enclosed metal chassis

6.0" L X 2.8" H X 13.9" W (153.3 mm X 72 mm X 353 mm)

Input connector: .....SJT type wires for AC in

Output connector: ...SJT type wires for AC out

Cables with ring lugs for battery

#### Status signals and Indicators:

Battery capacity / charging indicators (5 LEDs)

End of battery capacity warning (Beeper)



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## **Output**

Over voltage protection (Latching)

Over current protection (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.

## **Voltage/Current Rating Chart**

Voltage	Current Minimum	Current Maximum
105 – 120Vac	0A	2A
15V	0A	13A

