

# Power For The New Technology

## PS2389

Total Power	200 Watts
Input Voltage	90-264 VAC
Outputs	Ten

### SPECIAL FEATURES

- 90-264 VAC input
- Power factor correction (PFC) Meets EN61000-3-2
- Remote On/Off (individual)
- Enable control (active low)
- EMI\_FCC\_Class B
- Low output noise

### ENVIRONMENTAL

Ambient Operating Temperature: -10 to +70°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

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

Storage Temperature: -40° to +70°C

Cooling: Conduction cooled through thermal surface



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....:90 -264 VAC; 47-63Hz;  
Power Factor >0.99

Inrush Current (264 Vac).....<40 Amps peak  
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

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

Efficiency.....> 72% typical at full load

#### Output

DC Output.....Maximum continuous output power  
201 Watts. See Voltage/Current Rating Chart.

Line / Load Regulation... ..1%

Ripple and Noise < 1% typical

Transient Response...2% Maximum deviation;

### MECHANICAL

10" L X 2.4" H X 7" W (254mm X 60.9mm X 177.8mm)

Fully enclosed steel chassis

Input connector: AMP

Output connector: D-sub 15 pins, D-sub 9 pins, D-sub 25 pins,  
D-sub 37 pins, D-sub 9 pins

#### Status signals:

Power supply will report:

Power\_Status\_0\_H/L

Power\_Status\_1\_H/L

Power supply will receive from System:

System\_OK\_0\_H/L

Power\_Enable\_RS\_H/L

Power\_Enable\_CAM\_H/L

Power\_Enable\_RF\_H/L

Power\_Enable\_MTR\_H/L



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## Output

Over voltage protection 120%  
Over current protection 120%

Over temperature protection reset with hysteresis

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

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

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

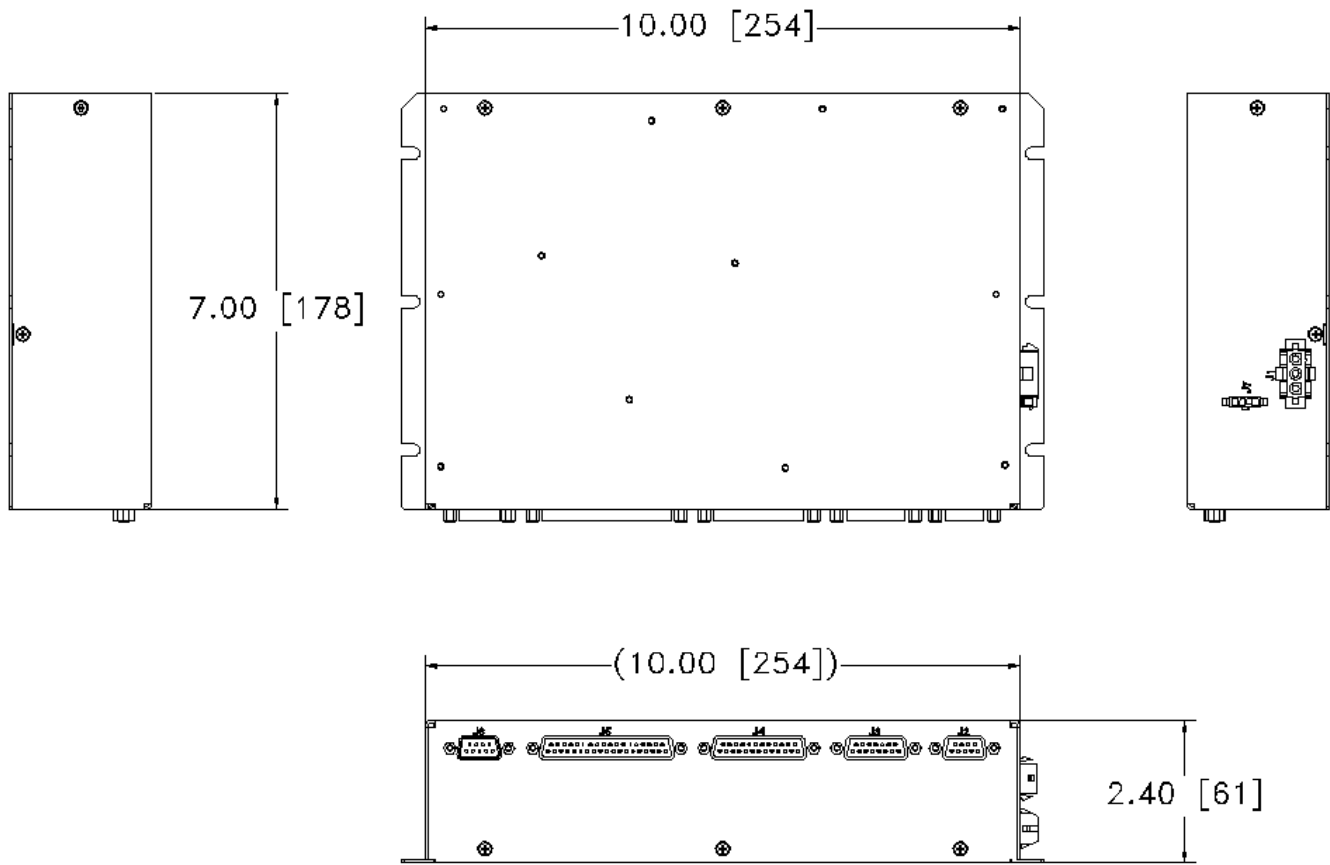
## Voltage/Current Rating Chart

Voltage	Current Minimum	Current Maximum
5V	0A	15.5A
3.3V	0A	15A
5V	0A	1.5A
12V	0A	0.1A
3V	0A	9A
6V	0A	1A
6V	0A	1A
-6V	0A	1A
8V	0A	.80A
10V	0A	.85A



Rev 1

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