

Power For The New Technology

PS2406

Input Voltage	85-264
Total Power	264 Watts
Output	48V1, 48V2 & 12V

SPECIAL FEATURES

- 85-264 VAC input with under voltage lockout
- Active PFC compliant to EN61000-3-2
- UL, CSA, BABT Recognized, CE CB (pending)
- Fully protected
- No load operation
- Fully operational with one fan failure

ENVIRONMENTAL

Ambient Operating Temperature: 0 to +55°C full rating.

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

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

Cooling: Two 10CFM internal fans. Air flow from front to back.



ELECTRICAL SPECIFICATIONS

Input.....85 -264 VAC; 47-63Hz;
Power Factor >0.99
Inrush Current (264 Vac).....< 15A peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits
Complies with EN55022 & FCC Class A with minimum 12 dB margin

Efficiency......82% min.

Output

DC Output.....Maximum continuous output power 264W

Line / Load Regulation.....< 2%

Ripple and Noise < 1% of output voltage

Transient Response.....2% Maximum deviation

MECHANICAL

9.0" L x 3.3" H x 3.4" W (228.6 mm x 83.8 mm x 86.4 mm)

Input Connector..... IEC 320

Output Connector Two DB9 and one micro fit

Weight: < 5 lbs

Status signals and indicators

Power Fail (open collector)

PS Fan Fail (open collector)

System Fan Fail (open collector)

Visual LED indicators identify power supply status.

Green LED indicates outputs are in regulation

Red LED indicates fault



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Output

Over voltage protection – (Latching)
 Over current protection – (Hiccup)
 Over temperature protection – (Hiccup)

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

Minimum Load Rqmt.....No minimum load.

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

Hold-Up Time.....30 mSec typical

OVP.....115%V typical

Voltage/Current Rating Chart

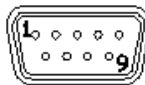
12V Output	Minimum	Maximum
Voltage	11.99V	12.15V
Current	2A	0A

48V1 Output	Minimum	Maximum
Voltage	48.295V	48.416V
Current	3.5A	0.2A

48V2 Output	Minimum	Maximum
Voltage	48.359V	48.422V
Current	1.5A	0A

Output Connector P1 (zone 1)

Description	Pin #
48V	2,3,6,7
RTN	4,5,8,9
N.U.	1



Output Connector P2 (zone 2)

Description	Pin #
48V	1,2
RTN	4,5
PS Fan Fail	7
Power Fail	8
System Fan Fail	9



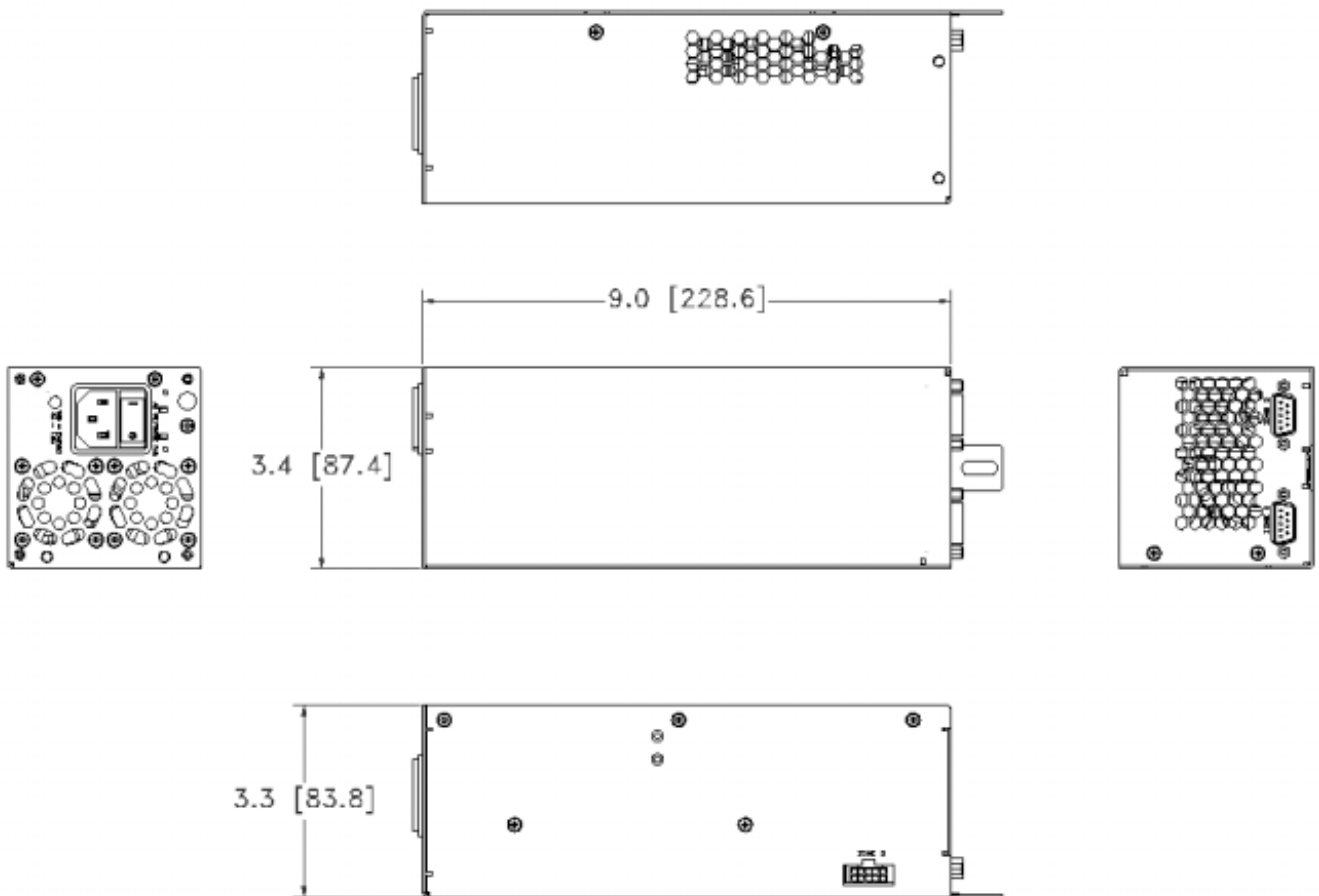
Output Connector P3 (zone 3)

Description	Pin #
12V	4,5,10
RTN	3,8,9
System Fan 1 Fail	1
System Fan 2 Fail	6
System Fan 3 Fail	7



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Mechanical Outline



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