

Power For The New Technology

PS2469-Y

Input Voltage	90-264 Vac
Total Power	862 Watts Max
Outputs	Three

SPECIAL FEATURES

- 90-264 VAC input with under voltage lockout
- Active PFC compliant to EN61000-3-2
- UL, CSA, CE CB (pending) to IEC 60601
- Fully protected
- Output inhibit
- Low leakage current ($< 80\mu\text{A}$), medical grade
- 5V @ 0.2A Auxiliary output

ENVIRONMENTAL

Ambient Operating Temperature: +10 to +50°C, linearly derated to 400W @ 70°C

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: $\pm 0.002\%$ / C

Cooling: Forced air cooling.



ELECTRICAL SPECIFICATIONS

Input

Input.....90 -264 VAC; 47-63Hz;
13Arms max current draw
Power Factor > 0.97

Inrush Current (264 Vac).....70A peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

Complies with EN55022 Class B with 10 dB margin typical

Efficiency.....78% min.

Output

DC Output.....Maximum continuous output power 862W

Line / Load Regulation..... $< 0.2\%$

Ripple and Noise.....1% of output voltage

Transient Response...5% Maximum deviation, 50% load step

Remote Sense.....Up to 0.5V total drop.

MECHANICAL

11.6" L X 5.0" H X 5.2" W (295 mm X 127 mm X 132 mm)

Input Connector.....3 position "Mate-N-Lok"

Output Connector.....Two right angle mini-fit, 22 pin & 12 pin

Weight: approx. 6.6 lbs. (3 Kg)

Status signals and indicators

"Secondary" Inhibit: disables 24.3V output only

"Primary" Inhibit: disables all 12.3V and 5.3V only.



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Output

Over voltage protection – (Latching)

Over current protection (Self-restarting w/low duty)

Over temperature protection (Latching)

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.....18 mSec typical

OVP.....120%V typical

Voltage/Current Rating Chart

		Minimum	Maximum
24.3V Output	Voltage	24.1V	24.5V
	Current	0A	25.0A
12.3V * Output	Voltage	12.18V	12.81V
	Current	0A	12A
5.3V Output	Voltage	5.25V	5.35V
	Current	0A	20A
5V AUX	Voltage	4.75V	5.25V
	Current	0A	0.2A

*12.3V output is adjustable with trim pot
(12.18V ~ 12.81V)



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Input and Output Connector PIN Assignment

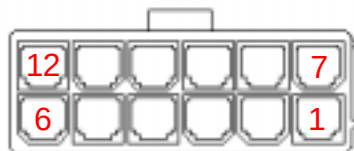
Input Connector J1

DESCRIPTION	PIN
Ac line	1
Chassis	2
AC Neutral	3



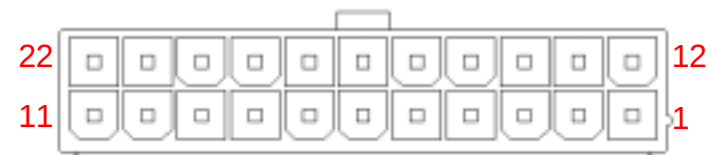
Output Connector P1

DESCRIPTION	PIN
+ 24.3V RTN Sense	6
+ 24.3V RTN	2,4,8,10,11
+ 24.3	1,3,5,7,9
+ 24.3V Sense	12



Output Connector P2

DESCRIPTION	PIN
+ 12.3V/+ 5.3V Inhibit	1
+ 12.3V/+ 5.3V Inhibit RTN	12
+ 5V STBY	2,13
+ 24.3V Inhibit	14
+ 24.3V Inhibit RTN	3
+ 12.3V	6,17
+ 12.3V/+ 5V STBY RTN	5,16
+ 12.3V RTN Sense	4
+ 12.3V Sense	15
+ 5.3V	8,10,19,21
+ 5.3V RTN	7,9,18,20
+ 5.3V RTN Sense	22
+ 5.3V Sense	11



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Mechanical Outline

