

PS2297

Total Power	350 Watts
Input Voltages	90-264 VAC
Outputs	Four

SPECIAL FEATURES

- Power density > 4W /cu in.
- 90-264 VAC, single phase, 6A Max service
- UL, CSA, TUV Recognized, CE, CB
- FCC Class A, CISPR Class A conducted EMC compliance
- Remote on/off control
- Compact PCI application
- Single wire forced current share
- Hot pluggable
- Fully protected

ENVIRONMENTAL

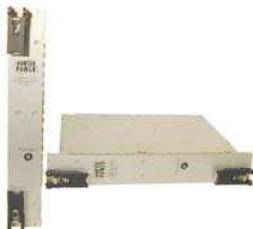
Ambient Operating Temperature: -5 to +50°C incoming air. Derate 5 W/C° linearly up to 70°C

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.01% / °C

Cooling: System provided fans with minimum 400 LFM.



ELECTRICAL SPECIFICATIONS

Input

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

Inrush Current (230 Vac).....27.2 Amps 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 10 dB margin

Efficiency.....> 73% typical at full load

Output

DC Output.....Maximum continuous output power
350 Watts with system cooling. See Voltage/Current Rating
Chart.

Load Regulation.....< 1%

Ripple and Noise < 1% of output voltage

Transient Response...2% Maximum deviation;
Current Sharing; Third wire for 5V & 3.3V outputs
Droop Sharing for ± 12V outputs

MECHANICAL

6.5" L X 1.5" H X 9.0" W (165 mm X 40 mm X 228 mm)

Status signals and indicators

DC Power Good

AC Fail Warning

Visual LED indicators identify power supply failure for
replacement. The indicators are:

DC Good

Power supply Fail

OUTPUT CONNECTOR PIN ASSIGNMENT

Output

Overvoltage protection – (Latching)
Over current protection (Hiccup)

Over temperature protection.

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

Minimum Load Rqmt.....No minimum load on all outputs.

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

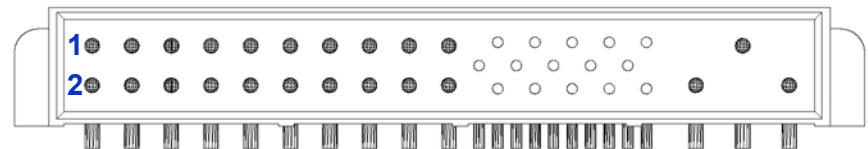
Hold-Up Time.....31 mSec typical

OVP.....110 – 120% of output voltage

Voltage/Current Rating Chart

Voltage	5.07V	5.113V
Current	40A	0A
Voltage	3.29V	3.3V
Current	32A	0A
Voltage	11.93V	12.06
Current	10A	0A
Voltage	-11.92V	-12.05
Current	4A	0A

Reference Designator	Description	PIN #	Function
1	+5V	20	Not Used
2	+5V	21	-12V
3	+5V	22*	GND
4	+5V	23	GND
5	GND	24	+5V Sense
6	GND	25*	Enable
7	GND	26	Sense Return
8	GND	27	+3.3V Sense
9	GND	28*	Not Used
10	GND	29	DEG#
11	GND	30	+12V Sense
12	GND	31	Inhibit
13	+3.3V	32	+5V Share
14	+3.3V	33	+3.3V Share
15	+3.3V	34	Not Used
16	+3.3V	35	Fail #
17	GND	36**	Safety Ground
18	+12V	37	Ac Neutral
19	Not Used	38	Ac Line



Power For The New Technology

