

# Power For The New Technology

## PS2316

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

### SPECIAL FEATURES

- Power density > 4W/ cu in.
- 90-264 VAC, single phase, 6A Max service
- UL, CSA and 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
- I<sup>2</sup>C Interface featuring
  - Monitoring all outputs
  - AC ok
  - Temperature readout inside the power supply
  - 8 bit 256 word EEPROM

### ENVIRONMENTAL

Ambient Operating Temperature: -5 to +55°C incoming air.

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;  
Power Factor >0.95

Inrush Current (240 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..... >82% 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%

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" W (165 mm X 37 mm X 228 mm)

#### Status signals and indicators

DC Power Good

AC Fail Warning

Visual LED indicators identify power supply status. The  
indicators are:

DC Good

Power supply Fail



## Output

Over voltage 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

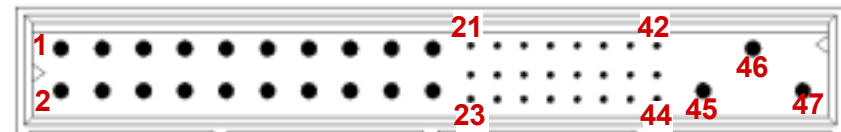
OVP.....110 – 120% of output voltage typical

## Voltage/Current Rating Chart

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

## OUTPUT CONNECTOR PIN ASSIGNMENT

PIN #	Description	PIN #	Description	PIN #	Description
1	+5V	17	+3.3V	33	3.3V Sense
2	+5V	18	+3.3V	34	Sense Return
3	+5V	19	GND	35	5V Share
4	+5V	20	+12V	36	+12V Sense
5	GND	21	-12V	37	I <sup>2</sup> C - SCL
6	GND	22	GND	38	DEG #
7	GND	23	Not Used	39	Inhibit
8	GND	24	Return	40	I <sup>2</sup> C - SCA
9	GND	25	Geog Address GA0	41	3.3V Share
10	GND	26	No Used	42	FAIL
11	GND	27	Enabel	43	IPMP-PWR
12	GND	28	Geog Address GA1	44	12V Share
13	+3.3V	29	5V Adjust	45	Chassis GND
14	+3.3V	30	5V Sense	46	AC - Neutral
15	+3.3V	31	Geog Address GA2	47	AC - Line
16	+3.3V	32	3.3V Adjust		



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