

PS2336

(SSI Compliant, for distributed Power Systems)

Total Power	700 Watts	1200 Watts
Input Voltages	90-130 VAC	180-264 VAC
Outputs	Two	

SPECIAL FEATURES

- 90-264 VAC
- UL, CSA, TUV, BABT Recognized
- Power Supply management interface:
 - Current monitoring
 - Voltage monitoring
 - Temperature monitoring
 - I²C Interface
 - Input voltage monitoring

ENVIRONMENTAL

Ambient Operating Temperature: 0 to +50°C, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient: ±0.01% / °C

Storage Temperature: -20° to +85°C

Cooling: Two 31 CFM fans, front to back airflow.



ELECTRICAL SPECIFICATIONS

Input

Input.....90 -264 VAC; 47-63Hz;
Power Factor >0.99
Inrush Current (240 Vac).....36 Amps peak
Isolation.....4242 VAC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits. Complies with EN55022 & FCC Class A with minimum 6 dB margin

Efficiency.....> 82% typical at Low line
> 86% typical at High line

Output

DC Output.....Maximum continuous output power 1200W
with internal cooling. See Voltage/Current Rating Chart.
Load Regulation.....< 1% (total)
Ripple and Noise < 500mV typical (48V output)
< 120mV typical (12V output)
Transient Response.....2% Maximum deviation;
Third Wire Current Sharing of 48V output;
Drop Current Sharing of 12V output

MECHANICAL

12.8" L X 4.8" H X 2.7" W (325.5 mm X 123.5 mm X 69.5 mm)

Status signals and indicators

PS Present
Power OK
ACOK
Fan Monitor
PS Alert
I²C Control and Monitoring buss
PS FAIL

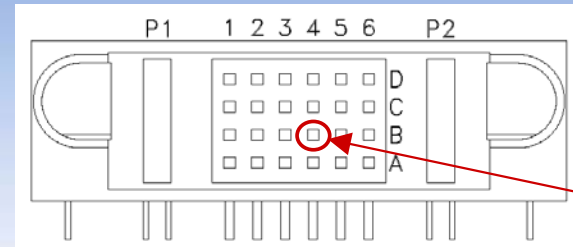
Visual LED indicators identify power supply status.

The indicators are:

Power (Green)
Power Fail (Yellow)
Predictive Fail (Yellow)



BERG CONNECTOR PIN ASSIGNMENT



Output

Over voltage protection – (Latching)
Constant current mode OCP

Over temperature protection.

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

Minimum Load Rqmt...1% of full load 48V output.
0% of full load 12.5V output.

Hold-Up Time.....21 mSec typical

OVP.....55 V typical

Voltage/Current Rating Chart

Voltage	48V	48V
Current HL/LL	24A / 13.5A	2.4A / 1.35A
Voltage	12.3V	12.8V
Current	4A	0A

Signal Pins						
	1	2	3	4	5	6
D	12 VSB	12 VSB Return	48LS	AC Range	SCL	A0
C	12 VSB	12 VSB Return	ACOK #	PRFL	Reserved	A1
B	12 VSB	12 VSB Return	PSON #	PSKILL ¹	SDA	A2
A	FANP	PSAlert #	PRESENT	PWOK	FAIL	FANC

Power Blades	
P1	P2
48 VDC Return	48 VDC

Power For The New Technology

