



325 Watt DC-DC Compact PCI Power Supply Specification



New and Unique DC Model Very high output in a 3U x 1 or 2 slot package

Features

- PICMG Spec 2.11 Compatible
- Universal DC telecom. input: 36-72VDC
- Redundant (N+1)
- Current Share
- Hot Swap
- Efficiency - greater than 85%
- P-47 Connector
- 2 Year Warranty

Output (VDC)	+5.0V	+3.3V	+12V	-12V
Output (A)	25A	40A	5A	1A

Input Specifications

Voltage DC: 36V-72VDC
 Input Current: less than 11A @ 36VDC
 Power Up Time: less than 1sec. at full load

Output Specifications

Voltage Tolerance: 3.3V & 5.0V @ +5% -3%
 ±12V @ +5% -3%
 Ripple and Noise: <50mV p-p or 1%
 Remote sense: +3.3V, +5.0V, +12V
 Transient response: Overshoot <5%
 Recovery Time < 1Ms
 Over voltage protection: 115%-125% of nominal
 Over current protection: 120%-140%, auto recovery
 Thermal Protection: Auto shutdown and recovery

Control Signals: Enable #, Inhibit #, Fail #, Degradation #

Environmental Specifications

Operating Temperature: -5°C to +70°C
 Full Power Cooling: 300 LFM at 55°C, No derating forced air vertical
 Storage Temperature: -40°C to +85°C
 Relative Humidity: 5% to 95% non-condensing



Pin #	Staging #	Signal Name	Description
1 - 4	M	V1	V1 Output
5 - 12	M	RTN	V1 and V2 Return
13 - 18	M	V2	V2 Output
19	M	RTN	V3 Return
20	M	V3	V3 Output
21	M	V4	V4 Output
22	M	RTN	Signal Return
23	M	RESERVED	Reserved
24	M	RTN	V4 Return
25	M	GAO	Not Used
26	M	RESERVED	Reserved
27	S	EN#	Enable
28	M	GA1	Not Used
29	M	V1 ADJ	V1 Adjust
30	M	V1 SENSE	V1 Remote Sense
31	M	GA2	Not Used
32	M	V2 ADJ	V2 Adjust
33	M	V2 SENSE	V2 Remote Sense
34	M	S RTN	Sense Return
35	M	V1 SHARE	V1 Current Share
36	M	V3 SENSE	V3 Remote Sense
37	M	IPMB_SCL	Not Used
38	M	DEG#	Degrade Signal
39	M	INH#	Inhibit
40	M	IPMB_SDA	Not Used
41	M	V2 SHARE	V2 Current Share
42	M	FAIL#	Fail Signal
43	M	IPMB_PWR	Not Used
44	M	V3 SHARE	V3 Current Share
45	L	CGND	Chassis Ground (safety ground)
46	M	ACN/+DC IN	AC Input - Neutral; +DC Input
47	M	ACL/-DC IN	AC Input - Line; -DC Input



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Physical Specifications and Ratings

Connector: CPCI 47 PIN
 Dimensions: 160mm X 233mm X 20mm
 Weight: 500 gram
 Front Panel: Aluminum, EMC with Gasket
 Ejector: Latch

Compliance:

Safety: UL60950, EN60950
 C-UL recognized File # E17032
 EMI: Class B per FCC Part 15, EN55022

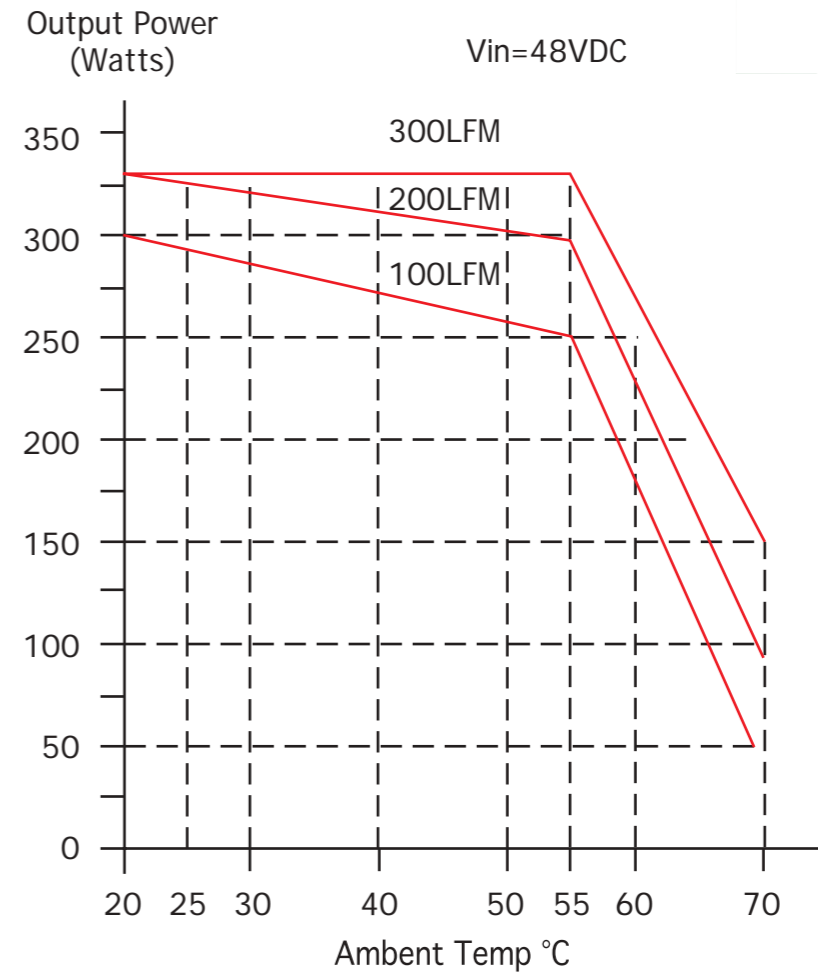
Markings

LED's on front panel: Input Green = Input Power On
 Fault: Red = Failure

How to Order:

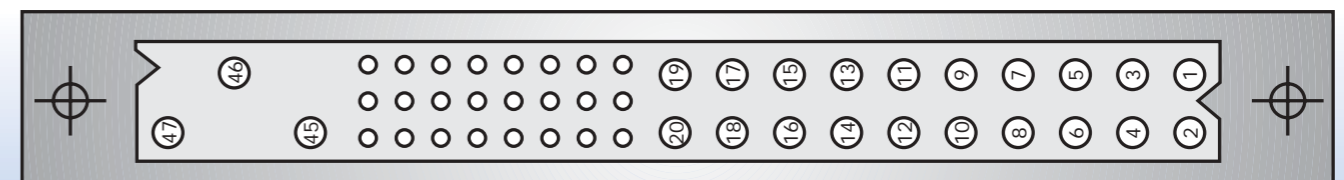
LVDC325W3U1 - 1 Slot
 LVDC325W3U2 - 2 Slot

Output Power vs Temperature and Airflow



Note: LFM is the airflow in feet per minute through the Power Supply fins and enclosure.

Power Connector Pin Assignment



44 43 42
 41 40 39
 38 37 36
 35 34 33
 32 31 30
 29 28 27
 26 25 24
 23 22 21

