

Power For The New Technology

PS2437-YE

Input Voltage	-36 Vdc to -72 Vdc
Total Power	750 Watts Max
Outputs	12V @ 62.5A

SPECIAL FEATURES

- -36 to -72 VDC input with under voltage lockout
- UL, CSA, CE CB (pending) to IEC 60601
- Fully protected
- Output inhibit

ENVIRONMENTAL

Ambient Operating Temperature: 0 to +50°C

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.002% / C

Cooling: Three internal fan cooling.



ELECTRICAL SPECIFICATIONS

Input

Input.....-36 to -72 VDC
28Arms max current draw

Inrush Current (-72 VDC).....10A peak
Isolation.....3000VDC (Input to Output)

Susceptibility specifications:
Complies with EN55022 Class A with 10 dB margin typical

Efficiency.....80% min.

Output

DC Output.....Maximum continuous output power 750W
Line / Load Regulation.....< 0.2%
Ripple and Noise.....1% of output voltage
Transient Response...300mV Maximum deviation, 50% load step
Remote Sense.....Up to 0.5V total drop.

MECHANICAL

11.31" L X 1.68" H X 5.0" W (287mm X 42.7mm X 127mm)

Input/Output Connector.....Positronic
PCIH49W25M400A1/AA-378.00"

Weight: approx. 4.2 lbs.

Status signals and indicators

IC signal
Remote On/Off signal
PS_Present signal
DC_OK LED
Fault LED



Rev 2

Output

Over voltage protection – (Latching)
Over current protection – (Latching)

Over temperature protection
(Resetting with hysteresis)

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.

OVP.....120%V typical

Voltage/Current Rating Chart

Voltage	Current
12V	62.5A

Output Connector PIN Assignment

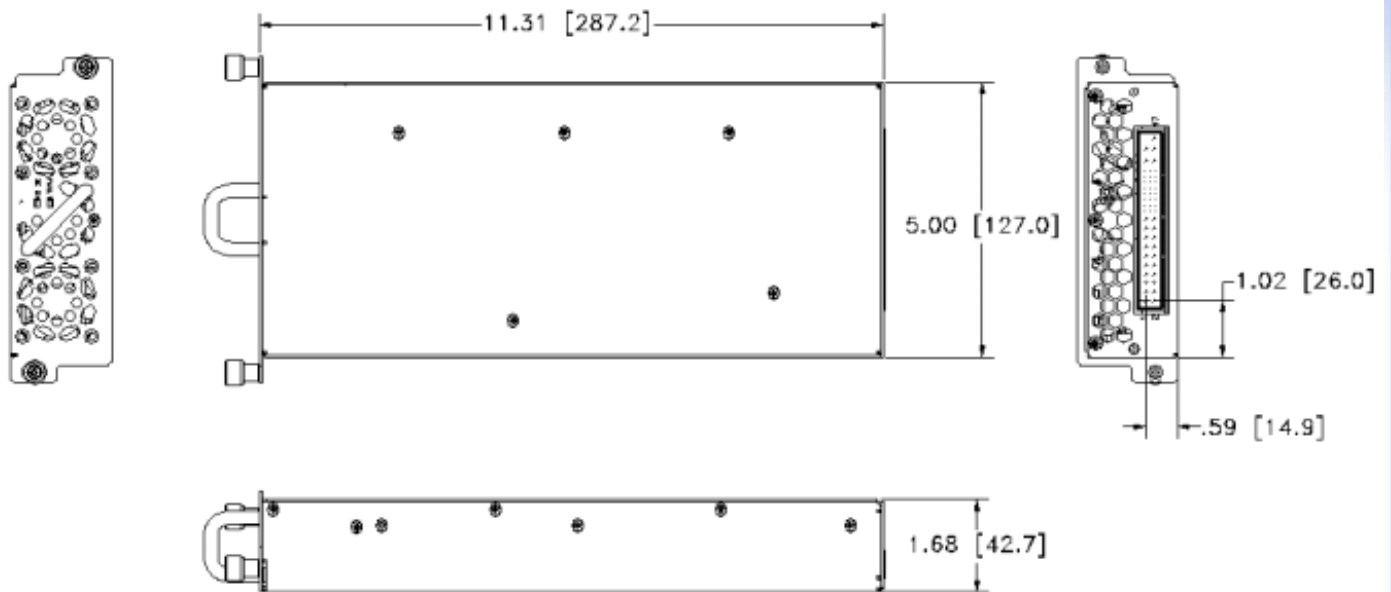
PCIH49W25M400A1/AA-378.0

DESCRIPTION	PIN
12v	7,8,9,10,11,12
12v RTN	1,2,3,4,5,6
SDA I ² C Data	31
SCL I ² C Clock	32
A0 I ² C Address	30
PS Present	33
Remote On/Off	27
System Ground	34
Share Pin	21
12VS+	24
Sense RTN	25
- 48V RTN	49
- 48V	48
Chassis GND	45



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Mechanical Outline



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