Power For The New Technology

PS2282

Total Power	Watts
Input Voltages	90-264 VAC
Outputs	48V @ 31A – High Line 48V @ 25A – Low Line

SPECIAL FEATURES

- 90-264 VAC input with under voltage lockout
- TTL / I²C remote on/off control
- I²C Interface

ENVIRONMENTAL

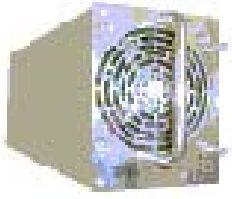
Ambient Operating Temperature: 0 to +50°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient: ±0.01% / °C

Storage Temperature: -20° to +85°C

Cooling: Two 68 CFM fans in Push-Pull configuration.



ELECTRICAL SPECIFICATIONS

Input

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

Inrush Current (240 Vac)……40 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 6 dB margin

Efficiency……> 82% typical at full load

Output

DC Output…….Maximum continuous output power 1500 Watts with internal cooling. See Voltage/Current Rating Chart.

Load Regulation……..10% (total)
Ripple and Noise < 200mV typical
Transient Response…2% Maximum deviation;
Current Sharing; Droop circuitry.

MECHANICAL

13.0” L X 5.3” H X 4.2” W (330 mm X 133 mm X 107 mm)
*May be installed into 19” rack mountable bay

Status signals and indicators

PS Present
DC Power Good
AC Fail
I²C Control and monitoring buss
Visual LED indicators identify power supply status.
The indicators are:
AC Present
DC Good

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PS ELCON CONNECTOR PIN ASSIGNMENT

Description	PIN
48V	26, 27
48V RTN	28, 29
DC OK	16
AC OK	17
DC On/Off	24
Isolated GND	18
PS Present	20
PS Type	19
OV Test	23
Logic GND	21
I²C – AO	12
I²C – AI	11
I²C – SCL	13
I²C – SDA	14
I²C – INT	15
Chassis GND	1
Neutral	4
Line	2
I²C – Bias	25

Output

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

Over temperature protection.

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

Minimum Load Rqmt……0% of full load main output.

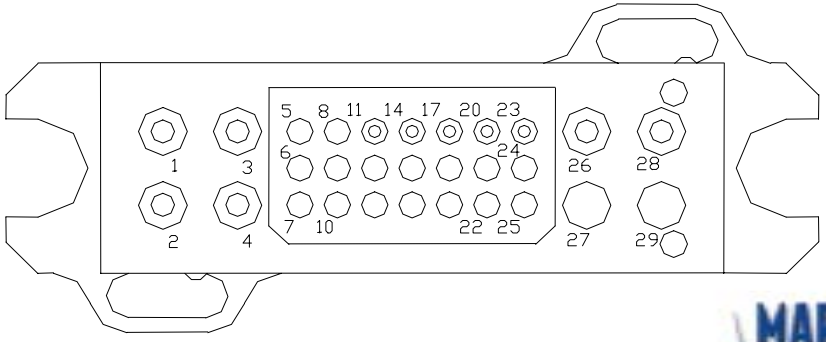
No Load Operation……..No damage to supply when operating at no load.

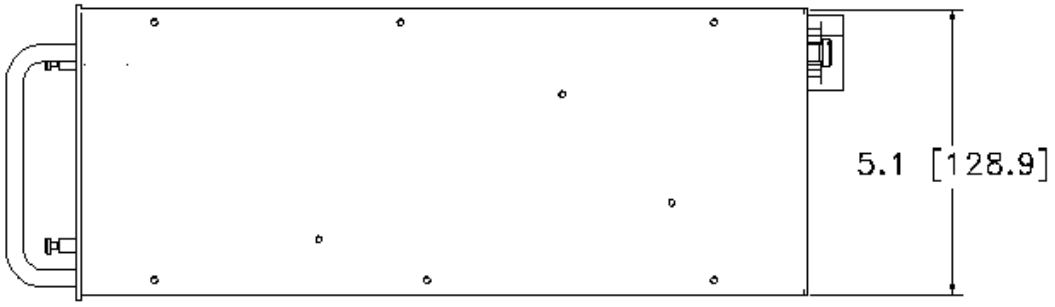
Hold-Up Time……31 mSec typical

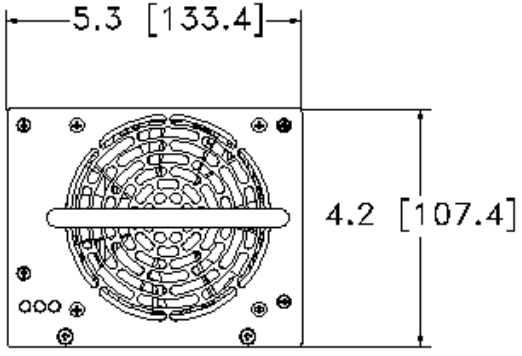
OVP……70 V typical

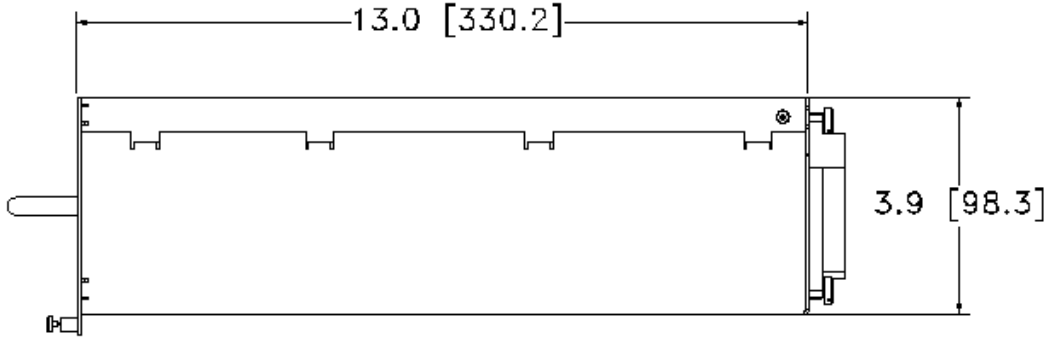
Voltage/Current Rating Chart

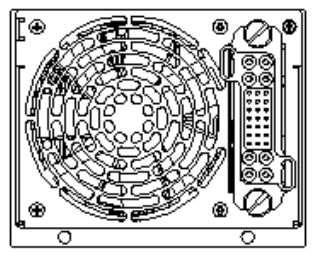
Voltage	48V	53V
Current	31A	0A

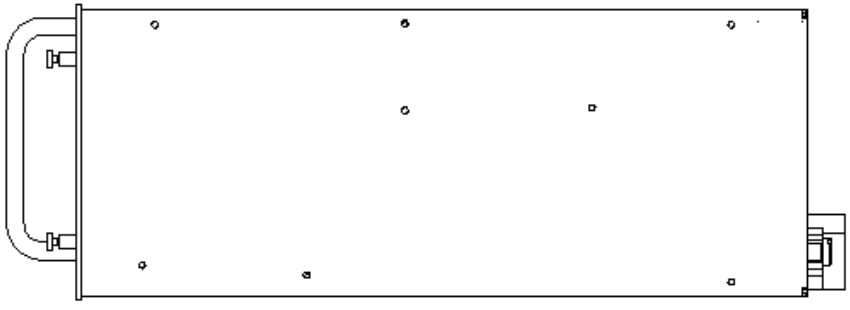












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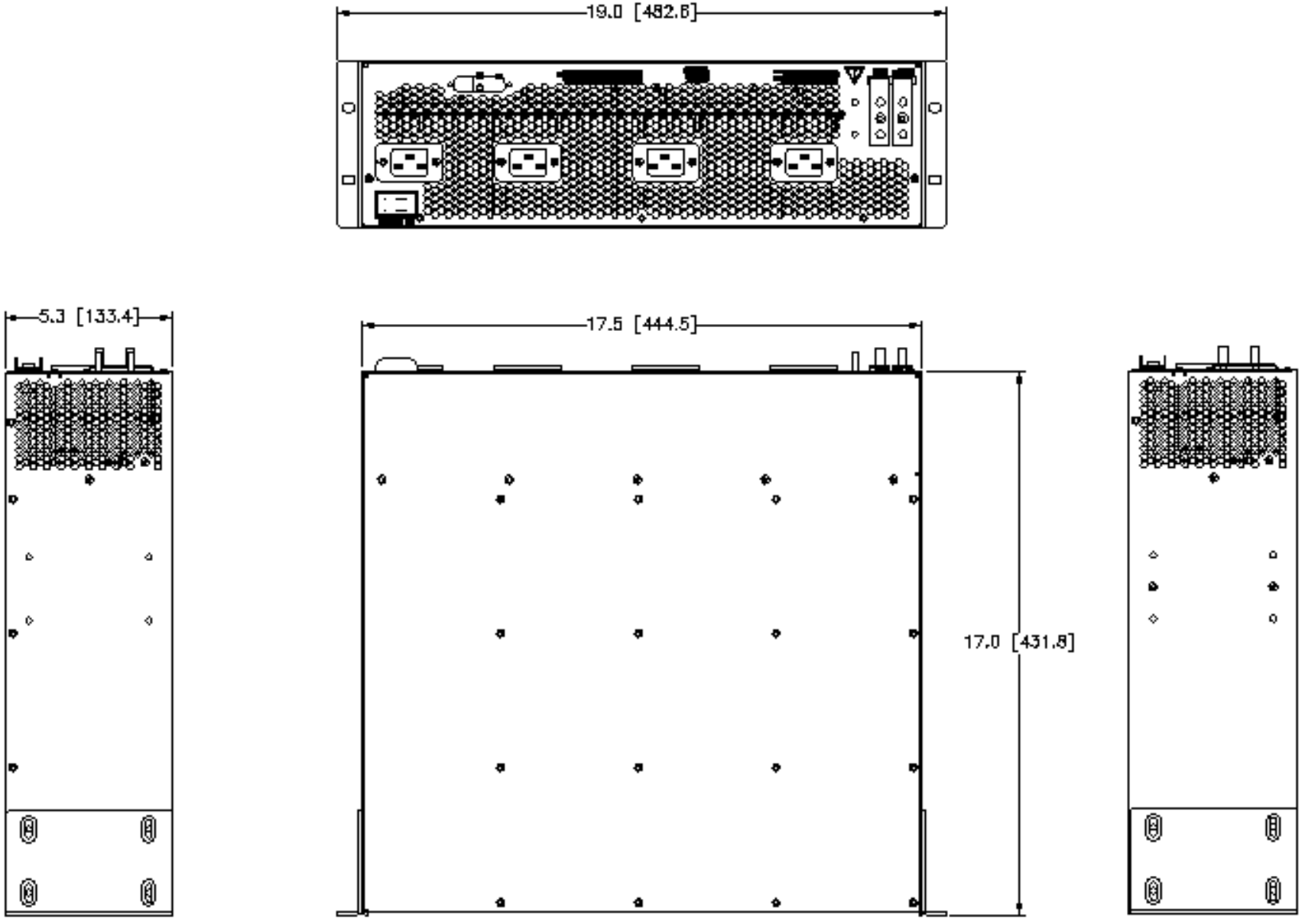

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