

## ELECTRICAL SPECIFICATIONS

### Input

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

Inrush Current (240 Vac).....80 Amps peak per AC Line  
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 (per AC Line)

Efficiency.....> 83% typical at full load

### Output

DC Output.....Maximum continuous output power  
3 kW redundant and 4 kW non-redundant. See Voltage/Current  
Rating Chart.

### Output Connector

Custom designed for ILSCOE70/H70 copper lugs  
Two copper bus bars with 2 X ¼-20 bolts 1" apart for output  
connection.

Two ¼-20 bolts 1" apart bolted into chassis for chassis  
connection..

Load Regulation.....<1%

Ripple and Noise < 400mV typical

Transient Response...2% Maximum deviation;  
Third Wire Current Share.

## MECHANICAL

16.8" L X 3.5" H X 17.5" W (425 mm X 89 mm X 445 mm)

### Status signals and indicators

PS Present, DC Power Good, AC FAIL warning and system  
GND signals OR'ed from all 4 power supply modules

Visual LED indicators identify power supply status.

The indicators are:

AC/DC Good (on power supplies)

## PS2342 Bay

Total Power	3000 Watts
Input Voltages	90-264 VAC
Outputs	48V

## SPECIAL FEATURES

- 90-264 VAC input with four male 15A IEC 320 Inlets with Line Filter
- UL, CSA, BABT Recognized, CE CB (pending)
- Output ON/OFF Logic Level Guarded Switch
- Low profile, 2U height
- Hot Pluggable power supplies
- Fully protected

## ENVIRONMENTAL

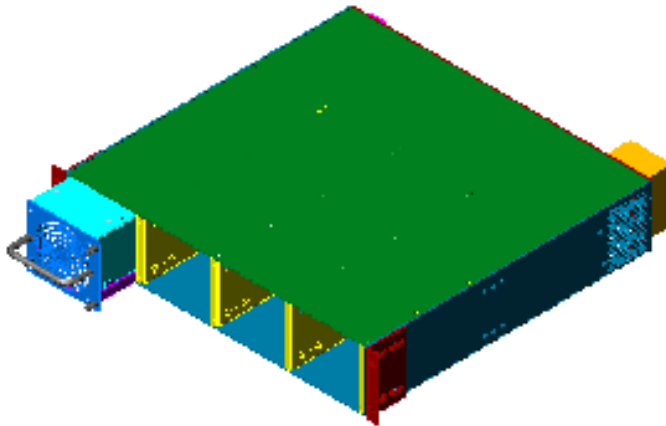
Ambient Operating Temperature : 0 to +50°C, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient: ± 0.01%/ °C

Storage Temperature: -20 to 85°C

Cooling: One 81 CFM fan. Airflow front to back.



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## **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.....20 mSec typical

OVP.....59 V typical

## **Voltage/Current Rating Chart**

Voltage	48V	48.03V
Current	76A	0A

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