LMI-120-48

Input Electrical Characteristics Overview

- Input Voltage
- Input Frequency
- Input Current
- Efficiency and Average Efficiency
- No Load Power Consumption
- Inrush Current
- Power Factor

Output Electrical Characteristics Overview

- Output Voltage, Current & Regulation
- DC Output Ripple & Noise
- Output Transient Response
- DC Output Hold-up Time
- DC Output Overshoot At Turn On & Turn Off
- DC Output Rise Time
- Turn-on Delay Time

Protection

- Over Voltage Protection
- Over Current Protection
- Short Circuit Protection
- Reset After Shutdown

Output Electrical Characteristics Overview

- Output Voltage, Current & Regulation
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- DC Output Hold-up Time
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Safety

The power supply shall compliance with the following Criterion.

- IEC60065-2014
- GB8898-2011

EMC

- EMI
- EMS

The power supply shall comply with the following criteria:

1. Electrostatic Discharge (ESD)
   - GB17626.2-1998/IEC61000-4-2
   - Air Discharge: 15KV Class B
   - Contact Discharge: 8KV Class B
2. Electrical Fast Transient/Burst (EFT)
   - GB17626.4-1998/IEC61000-4-4
3. Surge Immunity
   - GB17626.5-1998/IEC61000-4-5
   - 2KV (Differential Mode) L,N
   - 4KV (Common Mode) L,N-GND

Isolation

Table 11

Input	Output
DC 500V	≥ 8M

Table 12

Input	Output
Input to Output	AC 3000V 10mA 60S

Lifetime

This unit to have a minimum lifetime of 100,000 hours at rated continuous load ,+25°C ambient temperture

Environmental Requirements

Temperature:

- Operating: -40°C to +85°C
- Storage: -40°C to +60°C

Humidity:

- Operating: From 10% to 90% relative humidity (Non-condensing)
- Storage: From 5% to 95% relative humidity (Non-condensing)

Altitude:

- Operating: Up to 5000 meters

Cooling Method:

- Free air convection

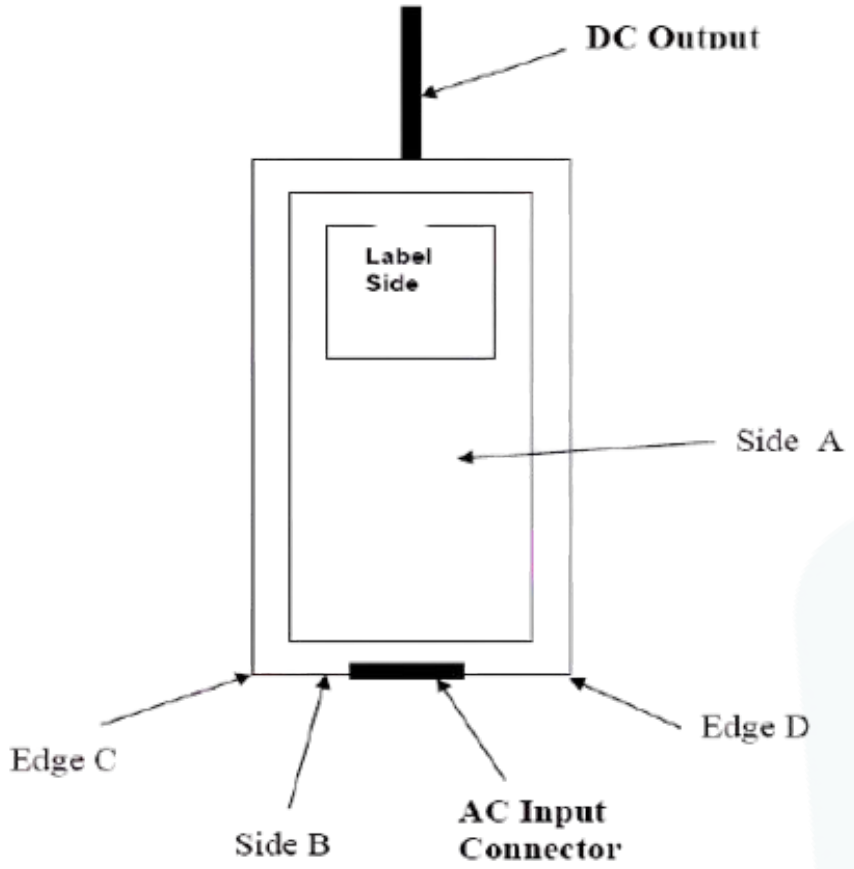
Vibration:

- Operating: 5-44Hz, 0.005 inch displacement, 44-500Hz, 0.5g, 15 minutes duration
- Storage: 5-17Hz, 0.01 inch displacement, 17-500Hz, 1.5g, 30 minutes duration

Drop Test:

- Drop Height: 1 meter onto a concrete floor
- Drop Points: Sides A, B, edges C, D (refer to Figure 1)
- Number of Drops: 1 time per point
- Performance Criteria: Power supply must remain functional; case must not crack or break

FIGURE 1



Weight

- 500±50g

Mechanical

Product Profile