



Customer:

Customer Model Number:

Product Part Number: PS-1250APL6A

1. Input Requirement

Voltage	Universal 100 – 240Vac, Single Phase
Frequency	50 – 60 Hz
Current	1.4A Maximum
Inrush Current	80A Max. / 240Vac (Cold Start At 25 °C · Full Load)
Efficiency	Eff (av) \geq 88 % (At 115 Vac & 230 Vac)
Power Consumption	Pi \leq 0.21 W (At 230 Vac & No Load)

2. Output Requirement

DC Output Voltage	+12V \pm 5%
DC Output Current	5A Maximum
Regulation	11.40Vmin. ~ 12.00Vtyp. ~ 12.60Vmax.
Ripple & Noise	120 mVpp Max.
Total Power	60W Maximum

Remark: For ripple & noise measurement, use a 20MHz bandwidth frequency oscilloscope, and add a 0.1 μ F multilayer Cap. and a Low ESR Electrolytic Cap. (10 μ F) at output connector terminals. (At nominal line voltage, Full Load)

3. Protection

Over Voltage Protection

Over voltage protection shall be included in the adaptor circuit. A single component failure must not cause an over voltage.

Over Current Protection

The adaptor must have a current limiting function on the output voltage. in overload mode, the output must drop to a low voltage.

Short Circuit Protection

The adaptor must withstand a continuous short circuit on the output without damage.

4. Environmental Requirement

Operating Temperature: 0°C ~ +40°C

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Storage Temperature: -20°C ~ +80°C

Operating Humidity: 20% ~ 80%RH

Storage Humidity: 10% ~ 90%RH

Cooling Method: By Natural Air.

5. Reliability and Quality Control

MTBF: 300,000Hrs.(Calculated Hours at 25°C,By Telcordia SR-332)

6. Mechanical Requirement

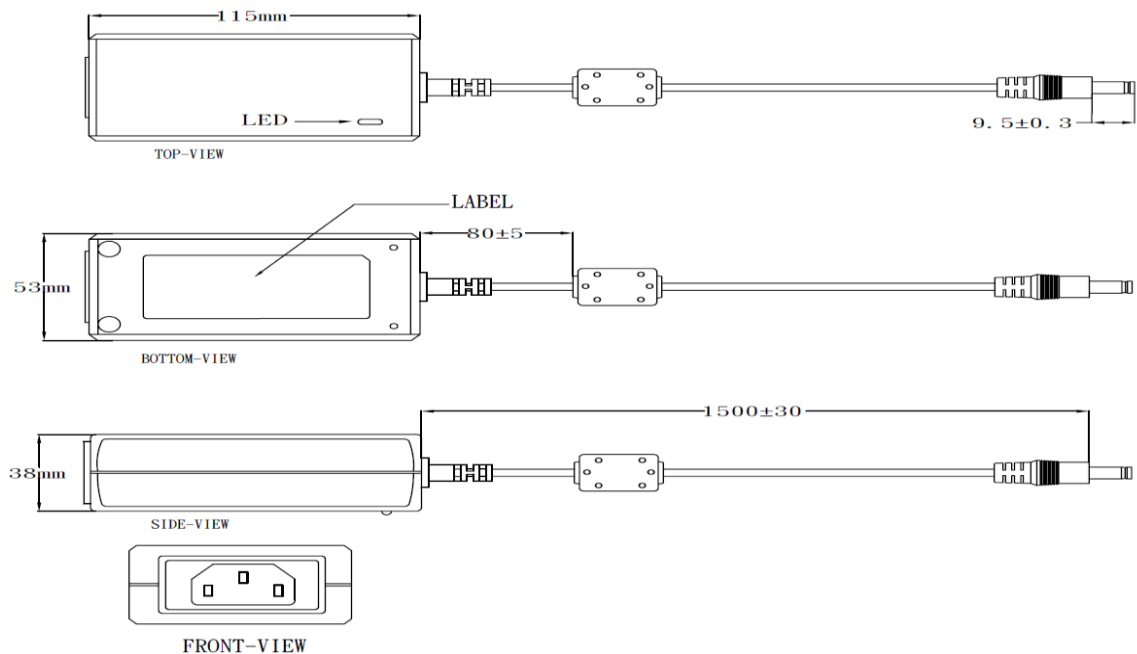
Case Dimension: 115mm(L)*53mm(W)*38mm(H)

Cable Type: Black UL1185 16AWG

Cable Length: 1500mm

Output Connector: 5.5mm x 2.5mm x 9.5mm

External Apperance: As drawing below (Scale → mm)



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7. Safety

Safety Standard

The power supply shall be certified under the following international regulatory standards:
UL / cUL / GS / PSE / BSMI / CB / CCC

Insulation Resistance

Primary to Secondary	10 Mohm for 500Vdc
Primary to Frame Ground	10 Mohm for 500Vdc

Dielectric Strength (Hi-Pot)

Primary to Secondary	3000Vac for 1 Minutes
Primary to Frame Ground	1500Vac for 1 Minutes

Leakage Current: Less than 3.5mA

EMI Requirement: CE / FCC Class B; Conduction & Radiation meet

Grounding Test: Resistance 0.1 ohm Max. @ 32A