



Customer:

Customer Model Number:

Product Part Number: PS-1230APL05

1. Input Requirement

Voltage	Universal 100 – 240Vac, Single Phase	
Frequency	50 – 60 Hz	
Current	1A Maximum	
Inrush Current	70A Max. / 230Vac (Cold Start At 25 °C · Full Load)	
Efficiency	Eff (av) \geq 87.40 % (At 115 Vac & 230 Vac)	Meet DOE VI
Power Consumption	$P_i \leq 0.1$ W (At 115 Vac & 230 Vac & No Load)	

2. Output Requirement

DC Output Voltage	+12V \pm 5%
DC Output Current	3A Maximum
Regulation	11.40V/min. ~ 12Vtyp. ~ 12.60V/max.
Ripple & Noise	75 mVpp Max.
Total Power	36W 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. (47 μ F) at output connector terminals. (At nominal line voltage, Full Load)

3. Protection

Over Voltage Protection (OVP)	Vout * 180% MAX
Over Current Protection (OCP)	Iout * * 170% MAX
Short Circuit Protection (SCP)	Automatic recovery after short-circuit fault being removed

4. Environmental Requirement

Operating Temperature: 0°C ~ 40°C

Storage Temperature: -20°C ~ 80°C

Operating Humidity: 20% ~ 80%

Storage Humidity: 10% ~ 90%

Cooling Method: Natural convection cooling.

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5. Reliability and Quality Control

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

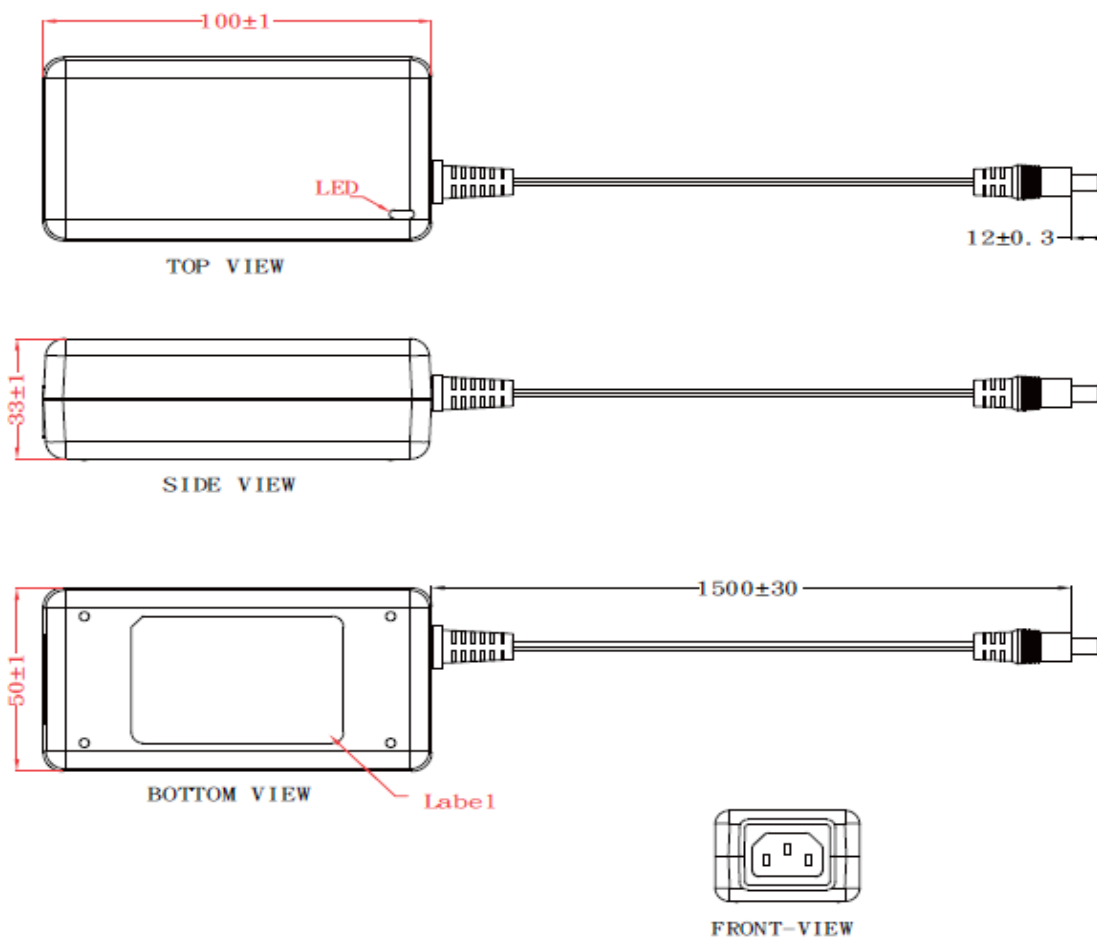
6. Mechanical Requirement

Case Dimension: 100mm(L)*50mm(W)*33mm(H)

Cable Type: Black UL2468 18AWG

Cable Length: 1500mm

Output Connector: 5.5mm x 2.1mm x 12mm



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7. Safety

Safety Standard

The power supply shall be certified under the following international regulatory standards:
UL / CUL / GS / PSE / BSML / CB / RCM

Insulation Resistance

Primary to Secondary: 10 MΩ for 500 VDC.
Primary to Frame Ground: 10 MΩ for 500 VDC.

Dielectric Strength (Hi-Pot)

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

Leakage Current: less than 0.35mA

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

8. Nameplate



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