AC/DC Power Supply

RoHS Compliant



Input Characteristics

Input Voltage

Rated Input Voltage : 100V AC to 240V AC
Variable Input Voltage : 90V AC to 264V AC

Input Current

1.5A max when input rated voltage and output rated load

Input Frequency

Rate Frequency : 50/60Hz
Variation Frequency : 47Hz to 63Hz

In-rush Current

60 Amps Max. Cold start at 240V AC input ,with rated load and 25°C ambient

AC Leakage Current

3.5mA Max. @ 240V AC input

Output Characteristics

Rated Output Power : 64.8W
Voltage : +24V
Max. Load : 2.7A
Load Regulation : 22.8V to 25.2V
Unload Output Voltage : 22.8V to 25.2V

Efficiency

115V AC input, the average efficiency ≥85% output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency
230V AC input, the average efficiency ≥85% output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency
Unload standby Power : 0.21W Max.

Ripple & Noise

Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1μF ceramic capacitor and a 47μF electrolysis capacitor. (Test under the condition of rated input and rated output)

Voltage : +24V
Current : 2700mA
Ripple And Noise (Max) : 240m Vp-p

Turn On Delay Time

5 second Max. @ 100V AC input and output Max. Load

Rise Time

100ms Max. @ 100V AC input and output Max. Load

Hold Up Time

5ms Min. @ 100V AC input and output Max. Load.

Overshoot

10% Max. When power supply on or turn off.

Environmental Requirements

Operating Temperature : 0°C to +45°C (Full Load, Normal operation)
Storage temperature : -10°C to +75°C
Relative Humidity : 5% (0°C) to 90% (40°C) 72h (Full Load, Normal operation)
Vibration : Operating: IEC 721-3-3 3M3; 5~9Hz, A=1.5mm (9~200Hz, Acceleration 5m/s)

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Mechanical Characteristics

Cable Flexing Testing

The DC cord weight of 300g, its swings angle 40° and 2000 cycle and also bending speed timing will be 40 cycle per minute.

Safety Standard

Safety Accord with IEC60950-1+62368, EN60950+62368; UL60950+62368,GB4943.1+GB8898

Note: AC pins corresponding corresponding corresponding to national standards, such as the CE that corresponds to EN60950+62368 ;1500V AC

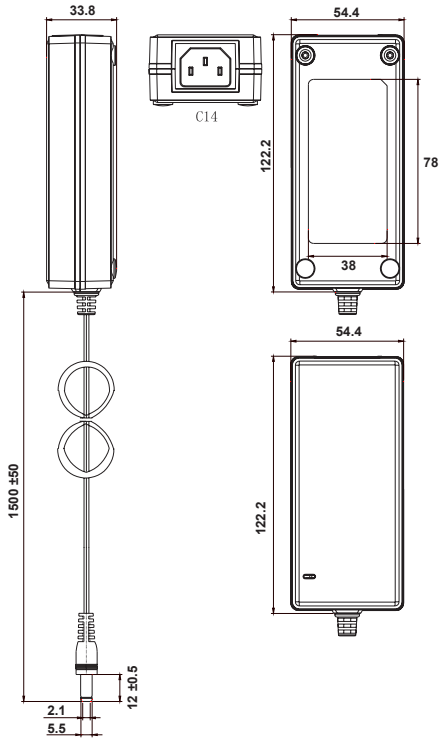
Dielectric Strength Hi-Pot

Primary to secondary, 1500V AC/5mA/60s.

Insulation Resistance

Primary to secondary	: 10MΩ Min at 500V DC
Volume	: 122.2mm × 54.4mm × 33.8mm (L×W×H)
Weight	: 254g ±20g

Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
AC/DC Power Supply, 1 Output, 64.8W, 24V, 2.7A	PELL0404

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