

RoHS
Compliant



Input Characteristics

Input Voltage

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

Input Current

0.6A 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

0.25mA Max. @ 240V AC input

Output Characteristics

Rated Output Power : 24W
Voltage : +12V
Max. Load : 2A
Load Regulation : 11.4V to 12.6V
Unload Output Voltage : 11.85V to 12.6V

Efficiency

115V AC input, the average efficiency $\geq 86.2\%$ output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency
230V AC input, the average efficiency $\geq 86.2\%$ output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency
Unload standby Power : 0.1W Max.

Ripple & Noise

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

Voltage : +12V
Current : 2000mA
Ripple And Noise (Max) : 120m Vp-p

Turn On Delay Time

3 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 +40°C (Full Load, Normal operation)
Storage temperature : -10°C to +55°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)

Mechanical Characteristics

Cable Flexing Testing

The DC cord weight of 300g, its swings angle 45 Deg. and 2000 cycle and also bending speed timing will be 40 cycle per minute.

Safety Standard

Safety Accord with IEC62368-1, EN62368-1, UL60950-1, GB4943, K60950-1

Note: AC pins corresponding corresponding corresponding to national standards, such as the CE that corresponds to EN62368-1; 3000V AC

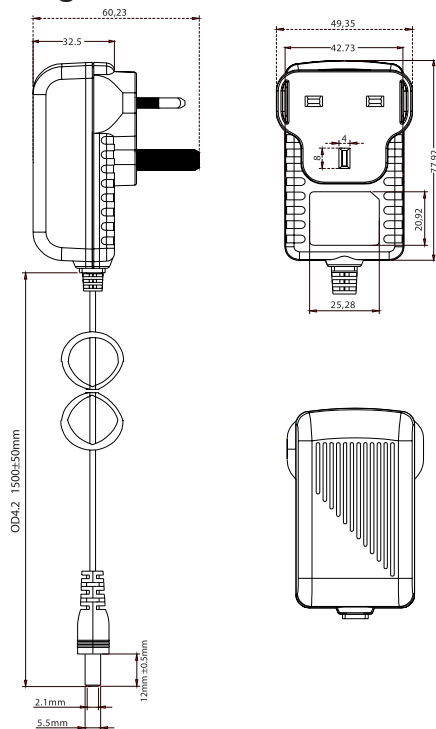
Dielectric Strength Hi-Pot

Primary to secondary, 3000V AC/5mA/5s.

Insulation Resistance

Primary to secondary : 10MΩ Min at 500V DC
 Volume : 77.92mm × 43mm × 32.5mm (L×W×H)
 Weight : 127g ±20g

Diagram



Dimensions : Millimetres
 Tolerance: ±0.2mm

Part Number Table

Description	Part Number
AC/DC Power Supply, ITE, 1 Output, 24W, 12V, 2A	PEL00848

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