

Desk Top External Power Supply 65W

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RoHS
Compliant

Input Characteristics

Input Voltage

Input voltage range : 90V AC to 264V AC
Rated Input Voltage : 100V AC to 240V AC

Input Frequency

Frequency range : 47-63Hz
Rate Frequency : 50Hz/60Hz

Input Current

1.5A max when input rated voltage and output rated load.

Unload Standby Power : 0.5W 115V/230V AC Max.

In-rush Current

120A mps 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 : 64.92W

Combined Load/Line Regulation

Voltage : +12V

Max. Load : 5.41A

Min. Load : 0A

Load Regulation : 11.4V to 12.6V

Unload Output Voltage : 11.4V to 12.6V

Ripple & Noise

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

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Voltage : +12V
Current : 5410mA
Ripple And Noise (Max) : 120m Vp-p

Efficiency

115V AC /230V AC input, output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency
The rated load is aged for 30 minutes before the DC head is tested.

Turn On Delay Time

3 second Max .At 100V AC input and output Max. Load

Hold Up Time

100ms Min.at 100V AC input and output Max .Load.

Rise Time

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

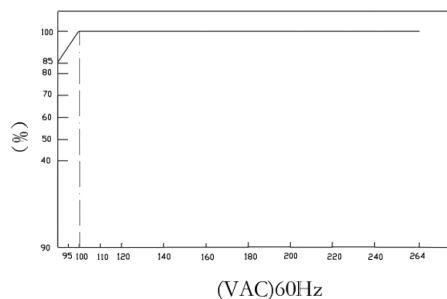
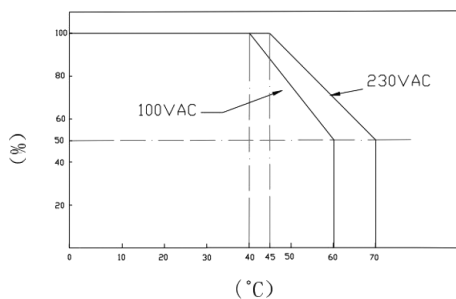
Overshoot

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

Environmental Requirements

Operating Temperature : 0°C to +40°C (Full Load, Normal operation)
Relative Humidity : 5% (0°C) to 90% (40°C) 72h (Full Load, Normal operation)
Storage temperature : -20°C to +70°C
Storage Humidity : -20°C to +80°C, With enclosure:20% to 80%

Derating curve



Mechanical Characteristics

Safety Standard

IEC62368-1, EN62368-1, GB4943.1

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

Dielectric Strength Hi-Pot

Primary to secondary, 2500V DC(or 1800V AC) /5mA/3s.

Insulation Resistance

Primary to secondary : 100MΩ Min. at 500V DC
Weight : 233 ±20g

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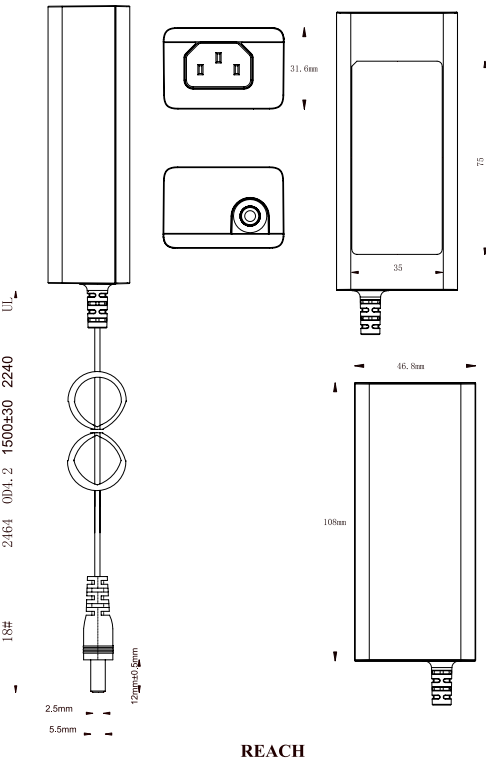
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65W

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Diagram



Part Number Table

Description	Part Number
External Power Supply, Desk Top, 65W, 12V, 1.5A	PELL0500

Dimensions : Millimetres

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