AC to DC Power Supply
External Plug In

RoHS Compliant



Features

- Up to 88% efficiency rating
- Efficiency Level VI
- IEC C14 input connector
- 2.1mm DC plug connector
- Lead length: 1.2m

Input Characteristics

Input Voltage

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

Input Frequency

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

Input Current

3A max when input rated voltage and output rated load.

In-rush Current

60A 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	: 120W
Voltage	: +12V
Max. Load	: 10A
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)

Voltage	: +12V
Current	: 10000mA
Ripple And Noise (Max)	: 120m Vp-p

Efficiency

115VAC input, the average efficiency ≥88.0%. output rated load is 25%,50%,75%,100% 4 situations of average efficiency
230VAC input, the average efficiency ≥88.0%. output rated load is 25%,50%,75%,100% 4 situations of average efficiency

Unload standby Power : 0. 21W Max

Turn On Delay Time

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

Rise Time

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

Hold Up Time

5ms Min.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 +35°C (Full Load, Normal operation)
Relative Humidity	: 5% (0°C) to 90% (35°C) 72h (Full Load, Normal operation)
Storage temperature	: -10°C to +75°C

Mechanical Characteristics

The DC cord shall with weight of 400g,it swings at angle 45 deg ,2000cycle Time min Bending speed: 40cycle per minute shall to be no breakage to the code

Safety Standard

Safety Accord with IEC62368-1, EN62368-1, UL60950-1+62368-1, GB4943.

Note: AC pins corresponding corresponding corresponding to national standards, such as the CE that corresponds to EN62368-1; 1500V AC.

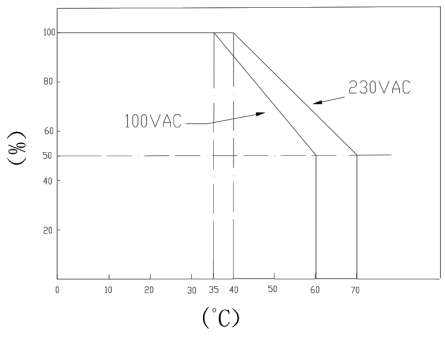
Dielectric Strength Hi-Pot

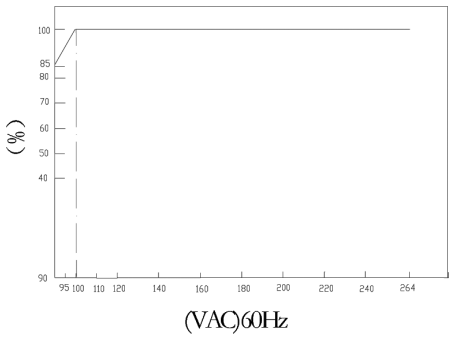
Primary to secondary, 1500V DC/5mA/60s.

Insulation Resistance

Primary to secondary	: 10MΩ Min at 500V DC
Weight	: 455g ±20g
Volume	: 163.2mm × 650.9mm × 31.8mm

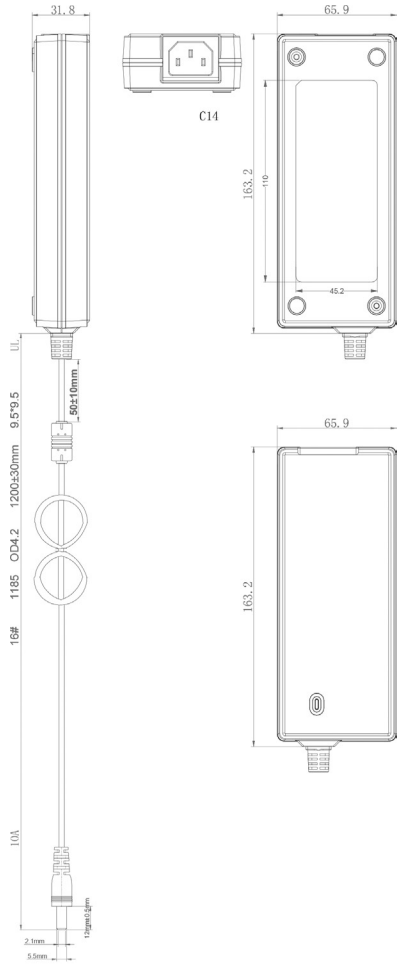
Deduction Graph





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Diagram



REACH，CA65

Part Number Table

Description	Part Number
AC To DC Power Supply, 12V, 10A, 120W, 2.1mm Connector	PELL0400

Dimensions : Millimetres

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