

# AC to DC Power Supply External Plug In

pro-ELEC

RoHS  
Compliant



## Features

- Up to 88% efficiency rating
- Efficiency Level VI
- IEC C14 input connector
- 2.5mm DC plug connector
- Lead length: 1.5m

## Input Characteristics

### Input Voltage

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

### Input Frequency

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

### Input Current

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

No-Load Power : 0.1W 115V/230VaMax

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

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

### Efficiency

115V AC input, the average efficiency  $\geq 88\%$ . output rated load is 25%,50%,75%,100% 4 situations of average efficiency  
230V AC input, the average efficiency  $\geq 88\%$ . output rated load is 25%,50%,75%,100% 4 situations of average efficiency  
Unload standby Power : 0. 21W Max

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## Turn On Delay Time

5 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.at100V 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)  
Relative Humidity : 5% (0°C) to 90% (40°C) 72h (Full Load, Normal operation)  
Storage temperature : -10°C to +75°C

## Mechanical Characteristics

The DC cord shall with weight of 300g,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 IEC60950-1+62368,EN60950+62368, UL60950+62368,GB4943.1+GB8898

Note: AC pins correspondding 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.

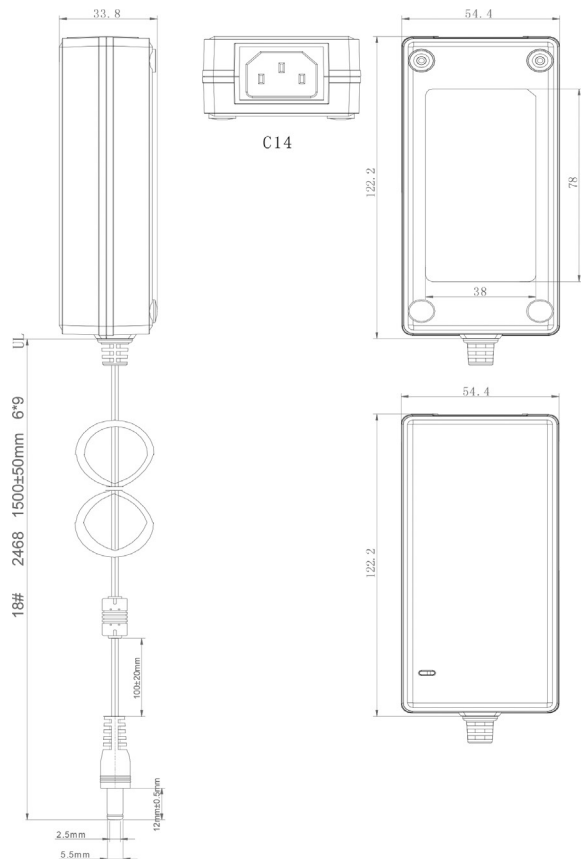
## Insulation Resistance

Primary to secondary : 10MΩ Min at 500V DC  
Weight : 274g ±20g  
Volume : 122.2mm × 54.4mm × 33.8mm

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## Diagram



REACH CA65

## Part Number Table

Description	Part Number
AC To DC Power Supply, Desktop PSU, 65W, 24V, 2.7A, 2.5mm	PELL0396

Dimensions : Millimetres

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