

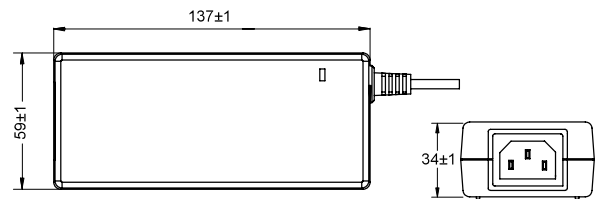
AC to DC Desktop Power Supply

- 100W Universal AC input / Full range
- Built-in active PFC function
- Energy efficiency level VI
- LED indicator for Power on

The RPS A100 AC to DC Desktop power supply unit provides 100 watts of continuous output power. The power supply is equipped with IEC320-C14 AC inlet.



RPS A100



Note:
1. Measurements are in mm
2. Net weight: approx. 450g

Electrical Characteristics

Output	
DC Voltage	12V
Rated Current	8.3A
Current Range	0~8.3A
Rated Power (max.)	100 W
Ripple & Noise (max)	230mVp-p
Voltage Tolerance	±5.0%
Line Regulation	±1.0%
Load Regulation	±5.0%
Setup, Rise Time	2000ms, 30ms / 230VAC 2500ms, 30ms / 115VAC at full load
Hold Up Time	20ms / 230VAC 20ms / 115VAC at full load
Input	
Voltage Range	100~240VAC
Frequency Range	50~60Hz
Efficiency (Typ)	Level VI or CoC Tier II
AC Current	2A
Inrush Current (max.)	Cold start 80/115AC 120/230VAC
Protection	
Overload	105 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
Overvoltage	105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover
Over Temperature	Shut down o/p voltage, re-power on to recover
Environment	
Working Temp.	0 ~ +90°C
Working Humidity	20% ~ 90% RH non-condensing
Storage Temp., Humidity	-20 ~ +85°C, 10 ~ 95% RH non-condensing
Temp. Coefficient	±0.03% / °C 0~45 °C
Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
Others	
MTBF	368.75K hrs min. MIL-HDBK-217F(25 °C)
Dimension	137*59*34 mm (L*W*H)
Packing	450g
Safety	
Safety Standards	UL62368-1, CSA C22.2 No. 62368-1, TUV EN62368-1, BSMI CNS14336, CCC GB4943.1, PSE J62368-1,AS/NZS 60950.1, FCC, IRAM, RCM

Connector

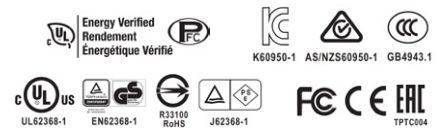


Pin Assignment

1	GND
2	NC
3	NC
4	+12V

Ordering Information

EAN / UPC	Model	Description
4250479327955	RPS A100	AC to DC Desktop Power Supply Module 12V/8A



Rev 1.0 Specifications subject to change