



External power supplies



AC/DC Single Output Desk top Type

36~45 Watts Max.

EA1047 Series



Features

- Wide input range
- RoHS compliance
- Over voltage protective installation
- Over current protective installation
- Over temperature protective installation
- Short circuit protective installation
- LED indication
- MTBF: >30,000 hours

Electrical Specifications

RS STOCK NO.	MODEL NO.	MAX OUTPUT POWER (W)	VOLTAGE (Vo)	MIN. LOAD (Lo)	MAX. LOAD (Lo)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
819-3973	EA1047A(05)	36W	12V	0	3.0A	± 5%	± 1%	240mV
819-3977	EA1047B(10)	45W	24V	0	1.87A	± 5%	± 1%	300mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Power (W) ≥Vo x Io

Electrical Specifications

Mechanical Specification

INPUT

- Input range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input current ≤2.0A
- Inrush current ≤100A at cold start
- Efficiency AVG 86.16% typ
- Hold up time ≥8.3mS
- Turn on time ≤3s

OUTPUT

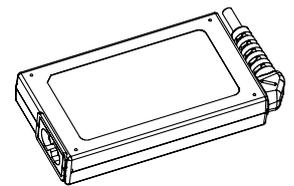
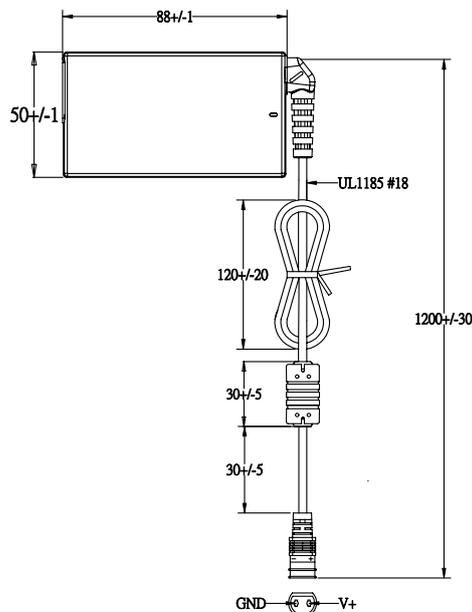
- Over voltage protection latch off
- Short circuit protection auto recovery
- Over current protection auto recovery
- Over temperature protection latch off

ENVIRONMENTAL

- Operating temperature 0 to 40°C
- Storage temperature -20 to 85°C
- Storage humidity 5 % to 90%

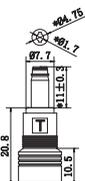
SAFETY

- cTUVus, TUV, CB, CE, FCC

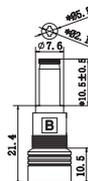


- Case size: 88Lx50Wx16.8H (mm)
- DC input: UL1185*18AWG (Ground overstriking) 1200mm
- Weight: 290g

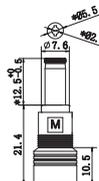
4.75 / 1.75 / 11.00mm



5.5 / 2.1 / 10.50mm



5.5 / 2.5 / 12.5mm



6.3 / 3.0 / 12.00mm

