

EA1012 Series

AC/DC Single Output Interchangeable Plug • 12Watts Max



Features

- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Short Circuit Protective Installation
- Protection Type: Auto Recovery
- MTBF > 30,000 hours

EA1012 X Y Z T-vv PP

- x:** Output range
- Y:** Case type (V) Vertical enclosure dimension
- Z:** AC plug type: R Interchangeable contain plug
 - U:USA • C:China • E:EU • K:UK • A:SAA
 - S: South Africa
- T:** Output type U (USB), S (SR)
- vv:** Specified output voltage, ie 12 is 12Vdc.
- PP:** Connector type, ie 01 for EDACPOWER standard dc cable or please refer to the appendix page

Electrical Specifications

| MODEL No. | MAX. OUTPUT POWER (W) | OUTPUT VOLTAGE (Vo) | MIN. LOAD (Io) | MAX. LOAD (Io) | LOAD REGULATION | LINE REGULATION | RIPPLE & NOISE |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EA1012A | 12W | 5~8V | 0A | 2.4A | ± 5% | ± 1% | 100mV |
| EA1012B | 12W | 9~11V | 0A | 1.33A | ± 5% | ± 1% | 180mV |
| EA1012C | 12W | 12~17V | 0A | 1.0A | ± 5% | ± 1% | 250mV |
| EA1012D | 12W | 18~24V | 0A | 0.66A | ± 5% | ± 1% | 350mV |

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

INPUT

- Input Range 100 to 240VAC
- Frequency 50 to 60Hz
- Input Current ≤1.0A
- Inrush Current ≤60A
- Efficiency Meet CEC Level VI (DoE), CoC Tier 2
- Hold Up Time ≥8.3mS
- Turn On Time ≤3S

OUTPUT

- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Short Circuit Protection Auto Recovery

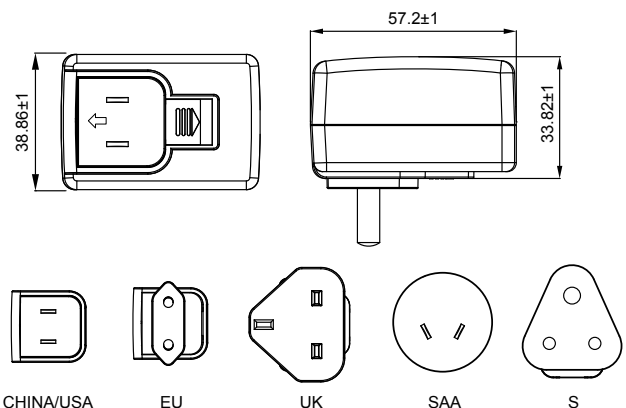
ENVIRONMENTAL

- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- UL/cUL, TUV, CB, CE, FCC, CCC

Mechanical Specification



- Case Size: 57.2L x 38.86W x 33.82H (mm)
- AC Plug: • U: USA pin • C: CHINA pin • E: EU • K: UK
- A: SAA • S: South Africa
- Weight: 70g