

EM1012 Series

AC/DC Medical Interchangeable Plug
• 12Watts Max.



Features

- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Short Circuit Protective Installation
- Protection Type: Auto Recovery
- MTBF > 100,000 hours

EM1012 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
EM1012A	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EM1012B	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EM1012C	12W	12~17V	0A	1.0A	± 5%	± 1%	250mV
EM1012D	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 ~ 0.5A
- Inrush Current: ≤60A
- Efficiency: Meet CEC LEVEL VI (DoE)
- 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

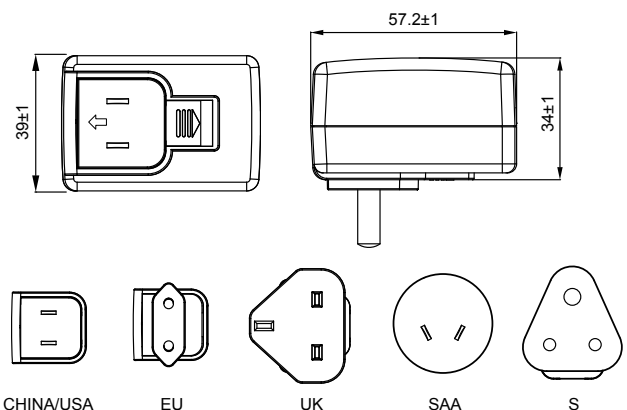
ENVIRONMENTAL

- 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, UL60601, TUV EN60601, CB 60601, CE, FCC

Mechanical Specification



- Case Size: 57.2L x 39H x 34H (mm)
- AC Plug: • U: USA pin • C: CHINA pin • E: EU • K: UK
- A: SAA • S: South Africa
- Weight: 70g