

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



### 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-wv PP

- x:** Output range  
**Y:** Case type (V)Vertical or (H)Horizontal to denote different enclosure  
**Z:** AC plug type: • U: USA • E: EU • K: UK  
**T:** Output type U (USB), S (SR)  
**wv:** 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**

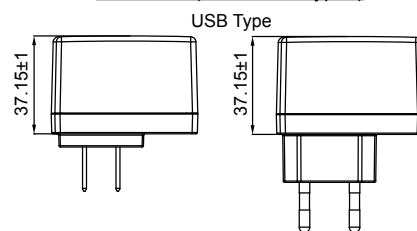
- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

**SAFETY**

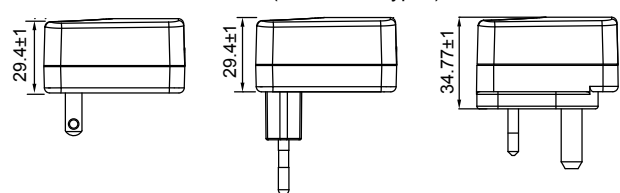
- UL/cUL, UL60601, TUV EN60601, CB 60601, CE, FCC

### Mechanical Specification

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55.6L x 27.1W x 37.15H (mm)  
SR: 55L x 25W x 36.7H (mm)  
Vertical: USA, EU: 53.46L x 41W x 29.4H (mm)  
UK: 53.46L x 41W x 34.77H (mm)
- AC Plug: • K: UK Pin • U: USA Pin • E: EU Pin
- Weight: 70g