



12W Wall Mount power supply > EA1012

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



Features

- 100-240VAC Universal Input
- Protections:
 Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1012 X Y Z T - vv PP

- X:** Output range
- Y:** Case type: (V)Vertical or (H)Horizontal
- Z:** AC plug type: • U: USA • E: EU • K: UK
- T:** Output type: U (USB) or S (SR)
- vv:** Specified output voltage, i.e. 12 is 12VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

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	$\pm 5\%$	$\pm 1\%$	100mV
EA1012B	12W	9~11V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	180mV
EA1012C	12W	12~17V	0A	1.0A	$\pm 5\%$	$\pm 1\%$	250mV
EA1012D	12W	18~24V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	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 $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

Electrical Specification

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.0A$
- Inrush Current: 30A/100VAC 60A/230VAC
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

OUTPUT

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

ENVIRONMENT

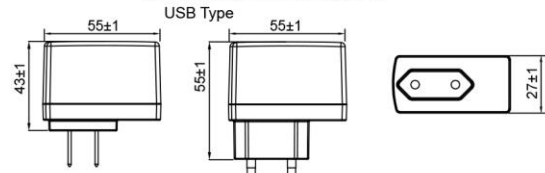
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

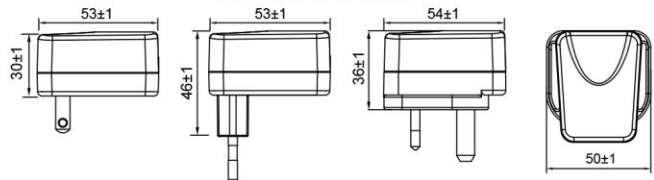
- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, NRCAN

Mechanical Specification

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
 SR: 55L x 25W x 55H (mm)
 Vertical: USA, EU: 53L x 41W x 46H (mm)
 UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g