

AC/DC Wall Mount Adapter



Features

- 100-240VAC Universal Input
- LPS Compliance
- 2 X MOPP Compliance
- 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
- Non Y-cap design

EM1027 X Y Z T - PP

- X:** Output Voltage
Y: Case Type: (V) Vertical or (H) Horizontal
Z: AC plug : • U: USA • E: EU • C: CHINA for (H)
 AC plug : • U: USA • E: EU • K: UK • A: SAA for (V)
T: Output type: S (SR)
PP: DC plug type, i.e. Code 01 for 5.5*2.1mm 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
EM1027AYZS	18W	5V	0A	3.6A	$\pm 5\%$	$\pm 3\%$	100mV
EM1027BYZS	24W	9V	0A	2.66A	$\pm 5\%$	$\pm 3\%$	180mV
EM1027CYZS	24W	12V	0A	2.0A	$\pm 5\%$	$\pm 3\%$	250mV
EM1027DYZS	30W	24V	0A	1.25A	$\pm 5\%$	$\pm 3\%$	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: $\leq 0.8A$
- Inrush Current: $\leq 60A/230VAC$
- Hold UP Time: $\geq 8.3mS$
- Turn On Time: $\leq 3s$
- Leakage Current: $\leq 10uA$

OUTPUT

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

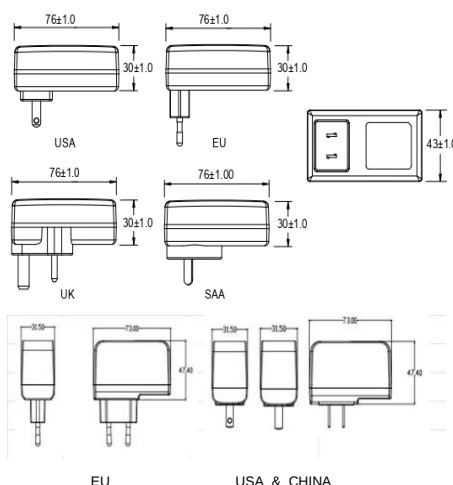
ENVIRONMENTAL

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

SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE

Mechanical Specification



Vertical

Horizontal

- Case Size: Vertical: 76L x 43W x 30H (mm)
Horizontal: 73L x 47.4W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA (Vertical)
U: USA, E: EU C: China (Horizontal)
- Weight: 200g