

EM1027 Series

• 18~30W Max.

AC/DC Interchangeable 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 R T - PP

- X:** Output Voltage
Y: Case Type: (V) Vertical
R: Interchangeable AC plug:
 - U: USA • C: China • E: EU • K: UK • A: SAA
 - S: South Africa • B: Korea • I: India**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.	MAX.	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
			LOAD(Io)	LOAD(Io)			
EM1027AVRS	18W	5V	0A	3.6A	$\pm 5\%$	$\pm 3\%$	100mV
EM1027BVRS	24W	9V	0A	2.66A	$\pm 5\%$	$\pm 3\%$	180mV
EM1027CVRS	24W	12V	0A	2.0A	$\pm 5\%$	$\pm 3\%$	250mV
EM1027DVRS	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

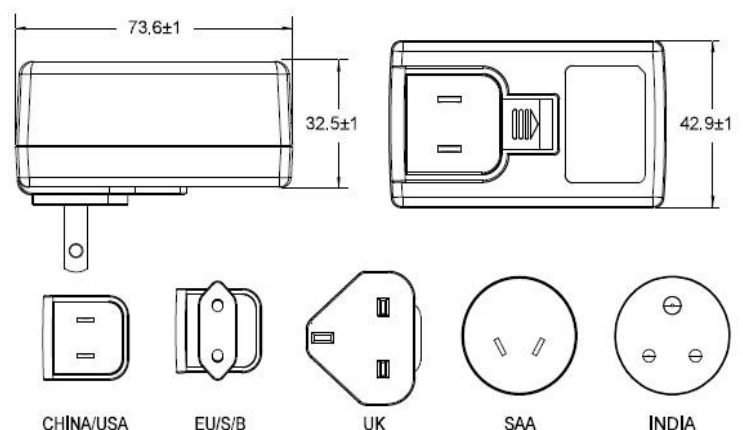
ENVIRONMENTAL

- 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



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, C: China, E: EU, K: UK, A: SAA
S: South Africa, B: Korea, I: India
- Weight: 200g

Above safety certificates are for reference only. Please contact our sales department for more details.