

## Medical AC/DC Wall Mount Adapter



### Features

- 100-240VAC Universal Input
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption  $\leq 0.1W$  (VI)
- MTBF > 100,000 hours

### EM1019 X Y Z T - vv PP

- X:** Output range  
**Y:** Case type: (V)Vertical or (H)Horizontal  
**Z:** AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China  
**T:** Output type: 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
EM1019A	15W	5~8V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019B	20W	9~13V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	150mV
EM1019C	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019D	20W	20~27V	0A	1.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019E	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019F	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EM1019G	18W	5~8V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019H	24W	9~13V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019J	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019K	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019M	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019N	24W	36~48V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	360mV

#### 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: 40A/100VAC 80A/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

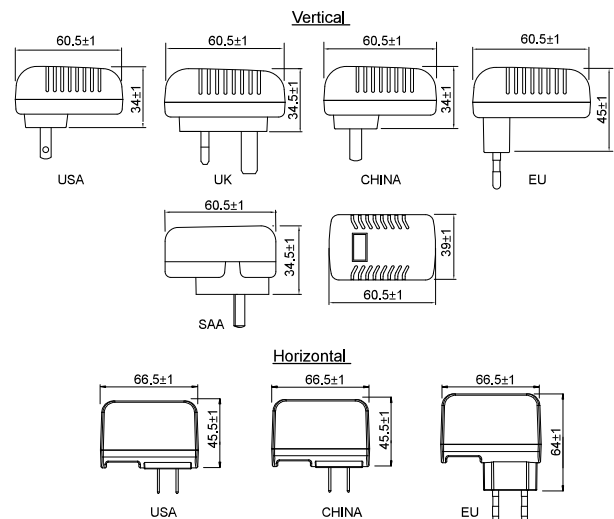
#### ENVIRONMENT

- 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 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC

### Mechanical Specification



- Case Size: Vertical: 60.5L x 39W x 34H (mm)  
Horizontal: 66.5L x 26W x 45.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g