

Medical AC/DC Wall Mount Adaptor



Features

- 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 O1 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AYZS	15W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019BYZS	20W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019CZS	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019DYZS	20W	20~27V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019EYZS	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019FYZS	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EM1019GYZS	18W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019HZS	24W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019JYZS	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019KYZS	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019MYZS	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019NYZS	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) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 0.8A$
- Inrush Current $\leq 80A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

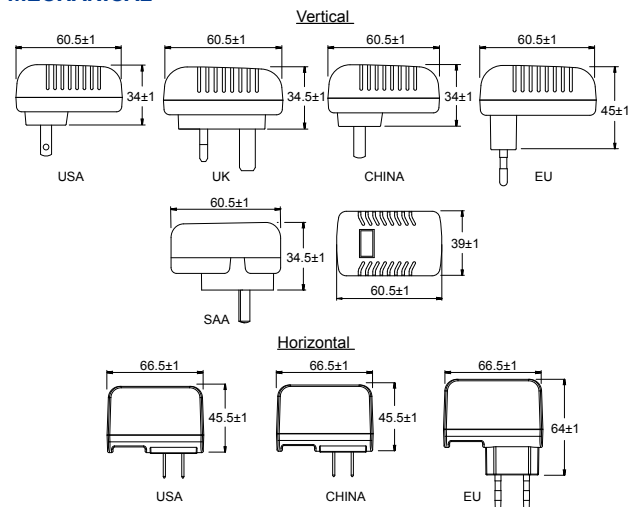
PROTECTION

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

ENVIRONMENT

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

MECHANICAL



- Case Size: Vertical: 60.5L x 39W x 45H (mm)
Horizontal: 66.5L x 64W x 26H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: CCC, RCM, Argentina