

EM1024-R Series

Medical AC/DC Interchangeable Adapter 16~26Watts Max.

- 100-240VAC Universal Input
- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours



EM1024 X R - vv PP

X: Output Range

Y: Case type: (V) Vertical

R: Interchangeable AC Plug:

• U: USA • E: EU • K: UK • A; SAA • C: China

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)

Electrical Specifications

MODEL No.	Max. Output Power [W]	Output Voltage [Vo]	Min. Load [Io]	Max. Load [Io]	Load Regulation	Line Regulation	Ripple & Noise
EM1024AR	16W	5V~8V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024BR	20W	5V~8V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024CR	24W	5V~8V	0A	4.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024DR	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024ER	24W	9~11V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024FR	27W	9~11V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024GR	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024HR	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024JR	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024KR	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024MR	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024NR	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024PR	36W	12V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024QR	24W	12v	0A	2.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024RR	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	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) $\geq V_o \times I_o$

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Electrical Specifications

Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 1A$
- Inrush Current 30A/100VAC 60A/230VAC
- Hold Up time $\geq 8.3ms$
- Turn On Time $\leq 3s$

Output

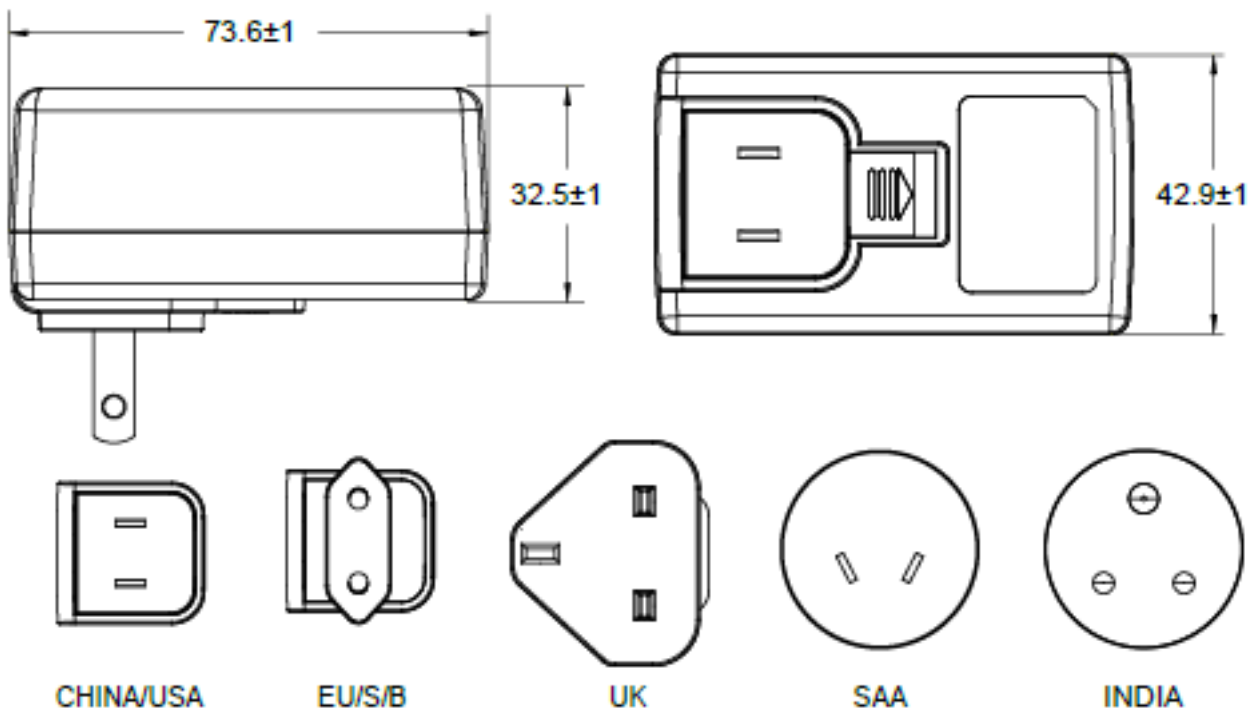
- Short Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off
- Over Current Protection Auto Recovery

Environment

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

Mechanical Specifications

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



Safety

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: PSE, RCM, NRCAN