

Medical AC/DC Desktop Adapter

16 ~ 36 W Max.

- 100-240VAC Universal Input
- LED Indicator
- 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 $\leq 0.1W$
- MTBF > 100,000 hours



EM1024 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

V: Output Range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1 mm 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
EM1024xAY	16W	5V ~ 8V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024xBY	20W	5V ~ 8V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024xCY	24W	5V ~ 8V	0A	4.0A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024xDY	18W	9V ~ 11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xEY	24W	9V ~ 11V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xFY	27W	9V ~ 11V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xGY	20W	12V ~ 17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xHY	30W	12V ~ 17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xJY	24W	18V ~ 24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024xKY	30W	18V ~ 24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024xMY	20W	36V ~ 48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024xNY	30W	36V ~ 48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024xPY	36W	12V	0A	3.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xQY	24W	12V	0A	2.0A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024xRY	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 0.1 uF 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) $\geq V_o \times I_o$

EM1024 Series

Electrical Specifications

Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 1.0A$
- Inrush Current 30A/100VAC 60A/230VAC
- Hold Up Time $\geq 8.3mS$
- Turn On Time $\leq 3s$

Environment

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

Output

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

Safety

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

Mechanical Specifications

- Case Size:
98L x 45,5W x 31,2H (mm)
- AC inlet C14, C8, C6, C18
- Weight: 200g

