

# EM1024 Series

AC/DC Medical Wall Mount Type

• 16~36Watts Max.



## Features

- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Short Circuit Protective Installation
- Protection Type: Auto Recovery
- MTBF > 100,000 hours

## EM1024 x Y - vv PP

**x:** Output range

**Y:** AC plug type: • U: USA • E: EU • K: UK • A: SAA

**vv:** Specified output voltage, ie 12 is 12Vdc.

**PP:** Connector type, ie 01 for EDACPOWER standard dc cable or please 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
EM1024AY	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EM1024BY	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1024CY	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EM1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024EY	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EM1024FY	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EM1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PY	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EM1024QY	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EM1024RY	36W	24V	0A	1.5A	± 5%	± 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 ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) = Vo x Io

## Electrical Specifications

### INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: 1.0A~0.5A
- Inrush Current: ≤60A At cold start
- Efficiency: Meet CEC Level V, VI (DoE)
- Hold Up Time: ≥8.3mS
- Turn On Time: ≤3S

### OUTPUT

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

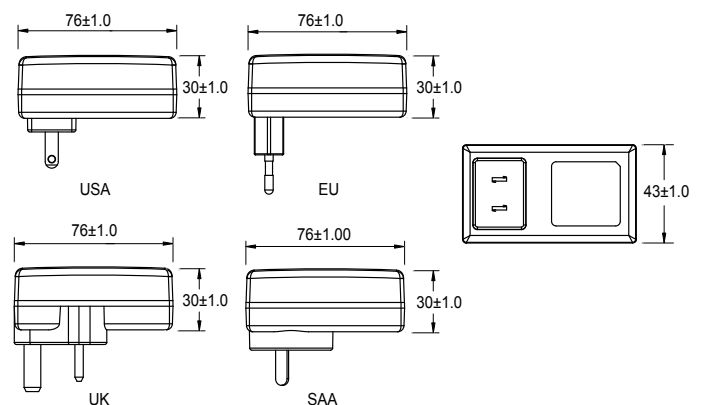
### ENVIRONMENTAL

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

### SAFETY

- UL/cUL, UL60601, TUV EN60601, CB 60601, CE, FCC

## Mechanical Specification



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 200g