



### Features

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

### EM1024 x R - vv PP

**x:** Output range

**R:** AC plug type: Interchangeable

• U: USA • C: China • E: EU • K: UK • A: SAA • S: South Africa

**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
EM1024AR	16W	5~8V	0A	2.0A	± 5%	± 1%	100mV
EM1024BR	20W	5~8V	0A	3.0A	± 5%	± 1%	100mV
EM1024CR	24W	5~8V	0A	4.0A	± 5%	± 1%	100mV
EM1024DR	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024ER	24W	9~11V	0A	2.0A	± 5%	± 1%	250mV
EM1024FR	27W	9~11V	0A	3.0A	± 5%	± 1%	250mV
EM1024GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MR	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NR	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PR	36W	12V	0A	3.0A	± 5%	± 1%	250mV
EM1024QR	24W	12V	0A	2.0A	± 5%	± 1%	250mV
EM1024RR	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

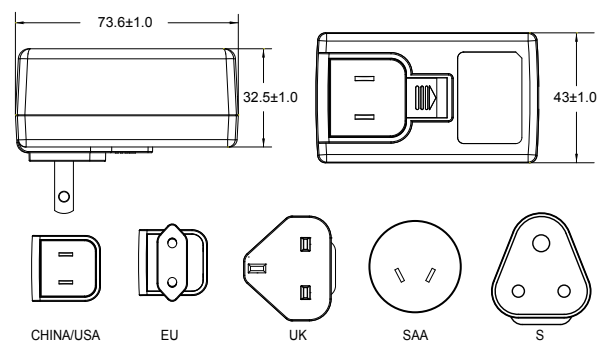
**ENVIRONMENTAL**

- 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: 73.6L x 43W x 32.5H (mm)
- AC Inlet: U: USA, C: China, E: EU, K: UK, A: SAA, S: South Africa
- Weight: 200g