

AC/DC Interchangeable Adaptor



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1024 X R - vv PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • S: South Africa • B: Korea • I: India
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)

General Specification

OUTPUT

| MODEL No. | MAX. OUTPUT POWER (W) | OUTPUT VOLTAGE (Vo) | MIN. LOAD (Io) | MAX. LOAD (Io) | LOAD REGULATION | LINE REGULATION | RIPPLE & NOISE |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EA1024AR | 16W | 5~8V | 0A | 2A | $\pm 5\%$ | $\pm 1\%$ | 100mV |
| EA1024BR | 20W | 5~8V | 0A | 3A | $\pm 5\%$ | $\pm 1\%$ | 100mV |
| EA1024CR | 24W | 5~8V | 0A | 4A | $\pm 5\%$ | $\pm 1\%$ | 100mV |
| EA1024DR | 18W | 9~11V | 0A | 1.5A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024ER | 24W | 9~11V | 0A | 2A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024FR | 27W | 9~11V | 0A | 3A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024GR | 20W | 12~17V | 0A | 1.66A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024HR | 30W | 12~17V | 0A | 2.5A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024JR | 24W | 18~24V | 0A | 1.33A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EA1024KR | 30W | 18~24V | 0A | 1.66A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EA1024MR | 20W | 36~48V | 0A | 0.55A | $\pm 5\%$ | $\pm 1\%$ | 480mV |
| EA1024NR | 30W | 36~48V | 0A | 0.83A | $\pm 5\%$ | $\pm 1\%$ | 480mV |
| EA1024PR | 36W | 12V | 0A | 3A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024QR | 24W | 12V | 0A | 2A | $\pm 5\%$ | $\pm 1\%$ | 250mV |
| EA1024RR | 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) $\geq V_o \times I_o$

INPUT

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

PROTECTION

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

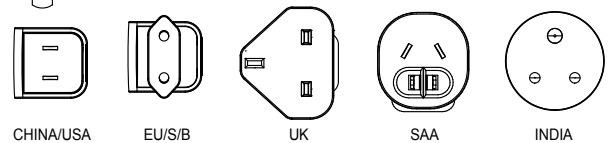
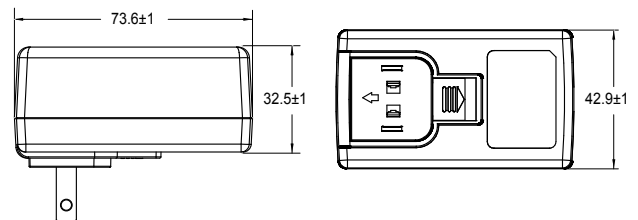
ENVIRONMENT

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

SAFETY

- Certified for whole series: 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, BSMI, UKCA
- Certified for assigned models: PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- 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