

AC/DC Interchangeable Adaptor



Features

- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21W$ (VI), $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EA1091S 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 |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EA1091SAR | 80W | 12~17V | 0A | 6.66A | ± 5% | ± 1% | 270mV |
| EA1091SBR | 80W | 18~24V | 0A | 4.44A | ± 5% | ± 1% | 350mV |
| EA1091SCR | 80W | 25~32V | 0A | 3.2A | ± 5% | ± 1% | 450mV |
| EA1091SDR | 80W | 33~43V | 0A | 2.42A | ± 5% | ± 1% | 650mV |
| EA1091SER | 80W | 44~56V | 0A | 1.81A | ± 5% | ± 1% | 750mV |
| EA1091SFR | 90W | 12~17V | 0A | 7.5A | ± 5% | ± 1% | 270mV |
| EA1091SGR | 90W | 18~24V | 0A | 5A | ± 5% | ± 1% | 350mV |
| EA1091SHR | 90W | 25~32V | 0A | 3.6A | ± 5% | ± 1% | 450mV |
| EA1091SJR | 90W | 33~43V | 0A | 2.72A | ± 5% | ± 1% | 650mV |
| EA1091SKR | 90W | 44~56V | 0A | 2.04A | ± 5% | ± 1% | 750mV |
| EA1091SMR | 100W | 25~32V | 0A | 3.33A | ± 5% | ± 1% | 450mV |
| EA1091SNR | 100W | 33~43V | 0A | 3.03A | ± 5% | ± 1% | 650mV |
| EA1091SQR | 100W | 44~56V | 0A | 2.27A | ± 5% | ± 1% | 750mV |
| EA1091SPR | 100W | 24V | 0A | 4.16A | ± 5% | ± 1% | 360mV |

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: $\leq 2A$
- Inrush Current: $\leq 160A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

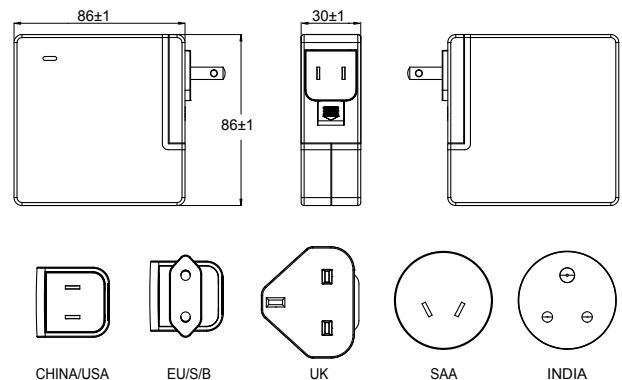
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature 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%

MECHANICAL



- Case Size: 86L x 86W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
S: South Africa, B: Korea, I: India
- Weight: 400g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE