



Features

- Active PFC Function
- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Short Circuit Protective Installation
- LED Indication
- MTBF: >100,000 hours

EA1091S x R - vv PP

- x:** Output range
- R:** Interchangeable AC plug:
 - U: USA • C: China • E: EU • K: UK • A: SAA • S: South Africa
- vv:** Specified output voltage. le 24 is 24Vdc
- PP:** Connector type. le 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
EA1091SA	80W	12~17V	0A	6.66A	± 5%	± 1%	270mV
EA1091SB	80W	18~24V	0A	4.44A	± 5%	± 1%	350mV
EA1091SC	80W	25~32V	0A	3.20A	± 5%	± 1%	450mV
EA1091SD	80W	33~43V	0A	2.42A	± 5%	± 1%	650mV
EA1091SE	80W	44~56V	0A	1.81A	± 5%	± 1%	750mV
EA1091SF	90W	12~17V	0A	7.50A	± 5%	± 1%	270mV
EA1091SG	90W	18~24V	0A	5.00A	± 5%	± 1%	350mV
EA1091SH	90W	25~32V	0A	3.60A	± 5%	± 1%	450mV
EA1091SJ	90W	33~43V	0A	2.72A	± 5%	± 1%	650mV
EA1091SK	90W	44~56V	0A	2.04A	± 5%	± 1%	750mV
EA1091SM	100W	25~32V	0A	3.33A	± 5%	± 1%	450mV
EA1091SN	100W	33~43V	0A	3.03A	± 5%	± 1%	650mV
EA1091SQ	100W	44~56V	0A	2.27A	± 5%	± 1%	750mV

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. Output Power (W) ≥Vo x Io

Electrical Specifications

INPUT

- Input Range: 100 to 240 Vac
- Frequency: 50 to 60Hz
- Input Current: ≤2.0A
- Inrush Current: ≤100A at 230 Vac At cold start, maximum load
- Efficiency: Meet CEC Level VI (DoE), CoC Tier 2
- Hold Up Time: ≥8.3mS
- Turn On Time: ≤3S

OUTPUT

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

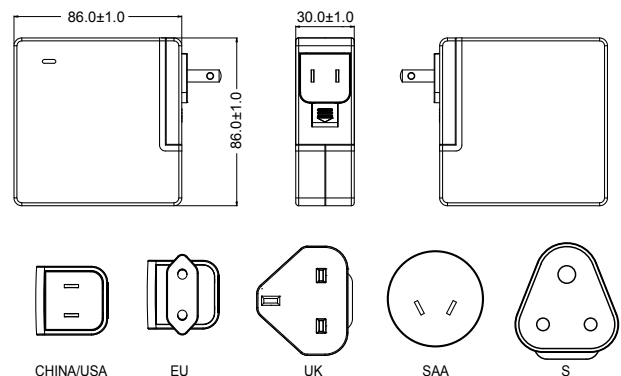
ENVIRONMENTAL

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

SAFETY

- UL/cUL, TUV, CB, CE, FCC, CCC

Mechanical Specification



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