

EA1093 Series

AC/DC Desktop Adapter

80 ~ 100 W Max.

- Slim Size
- 100-240VAC Universal Input
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current /
Over temperature (optional)
- Energy Efficiency Level VI or CiC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours



EA1093 X Y - vv PP

X: AC Inlet: 1. C14, 2. C8, 3.C6

Y: Output Range

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)

Electrical Specifications

MODEL No.	Max. Output Power [W]	Output Voltage [Vo]	Min. Load [Io]	Max. Load [Io]	Load Regulation	Line Regulation	Ripple & Noise
EA1093xA	80W	12~18V	0A	6.67A	±5%	±1%	270mV
EA1093xB	80W	19~24V	0A	4.21A	±5%	±1%	360mV
EA1093xC	80W	32~42V	0A	2.5A	±5%	±1%	630mV
EA1093xD	80W	44~56V	0A	1.82A	±5%	±1%	840mV
EA1093xE	90W	12~18V	0A	7.5A	±5%	±1%	270mV
EA1093xF	90W	19~24V	0A	4.74A	±5%	±1%	360mV
EA1093xG	90W	32~42V	0A	2.82A	±5%	±1%	630mV
EA1093xH	90W	44~56V	0A	2.05A	±5%	±1%	840mV
EA1093xJ	100W	32~42V	0A	3.12A	±5%	±1%	630mV
EA1093xK	100W	44~56V	0A	2.27A	±5%	±1%	840mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1 uF 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) $\geq V_o \times I_o$

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Electrical Specifications

Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\geq 2.5A$
- Inrush Current 60A/100VAC 120A/230VAC
- Hold Up Time $\geq 8.3mS$
- Turn On Time $\leq 3s$

Output

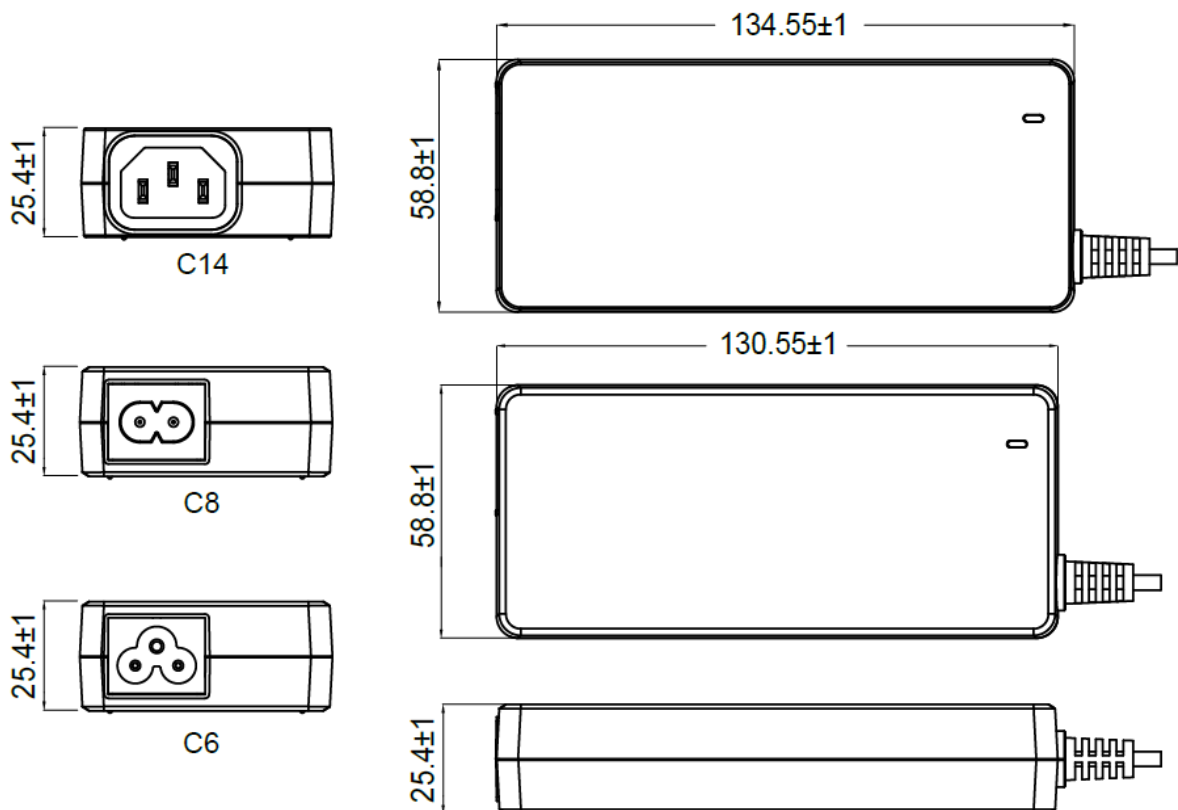
- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

Environment

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

Mechanical Specifications

- Case Size: 130.55L x 58.8W x 25.4H (mm) for AC inlet C6, C8
134.55L x 58.8W x 25.4H (mm) for AC inlet C14
- Weight: 350g



Safety

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE