

GaN AC/DC Desktop Adaptor



Features

- Gallium Nitride Based Design
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.21\text{W}$ (VI) , $\leq 0.15\text{W}$ (Tier II)
- MTBF > 50,000 hours

EA1280 X Y - vw PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
- Y:** Output range
- vw:** 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
EA1280XA	240W	12~16V	0A	20A	$\pm 5\%$	$\pm 1\%$	240mV
EA1280XB	240W	19~24V	0A	12.63A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XC	240W	28~36V	0A	8.57A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XD	240W	48~56V	0A	5A	$\pm 5\%$	$\pm 1\%$	840mV
EA1280XE	250W	19~24V	0A	13.15A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XF	250W	28~36V	0A	8.92A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XG	250W	48~56V	0A	5.2A	$\pm 5\%$	$\pm 1\%$	840mV
EA1280XH	280W	19~24V	0A	14.73A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XJ	280W	28~36V	0A	10A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XK	280W	48~56V	0A	5.83A	$\pm 5\%$	$\pm 1\%$	840mV

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 60 Hz
- Input Current: $\leq 3.5\text{A}$
- Inrush Current: $\leq 140\text{A}/230\text{VAC}$
- Hold up time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery or Latch-off (optional)

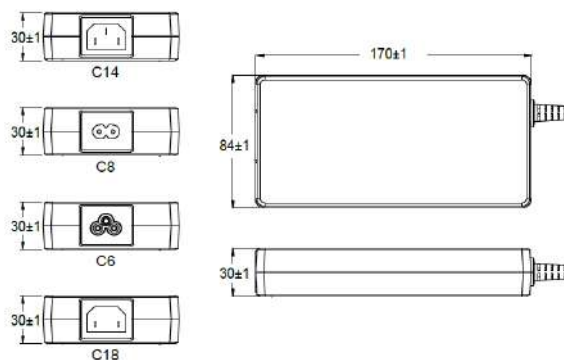
ENVIRONMENT

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

SAFETY

- Complied with 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), UKCA

MECHANICAL



- Case Size: 170L x 84W x 30H (mm)
- AC Inlet : C14, C8, C6, C18
- Weight: 950g