

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours
- PD 3.1 USB Power Delivery Function
- Customized Solutions Available

EU124B X Y - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU124BXA	240W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
		28V	0A	5A	$\pm 5\%$	$\pm 1\%$	380mV
		36V	0A	5A	$\pm 5\%$	$\pm 1\%$	380mV
		48V	0A	5A	$\pm 5\%$	$\pm 1\%$	480mV

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: $\leq 3.5A$
- Inrush Current: $\leq 160A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

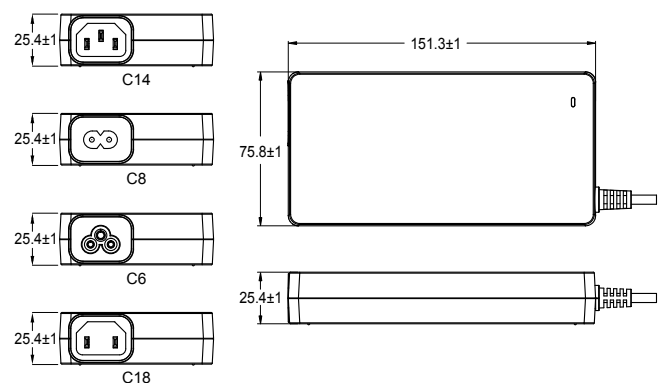
PROTECTION

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

ENVIRONMENT

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

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

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), UKCA