

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.3W$
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU204AS X R

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • S: South Africa • B: Korea • I: India

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU204AS	45W	USB-C	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
			15V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
			20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	240mV
	18W	USB-A	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
			12V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	240mV
			5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV
	30W	USB-C (20W)	12V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	240mV
			15V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	240mV
			20V	0A	1.0A	$\pm 5\%$	$\pm 1\%$	240mV
			5V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
		USB-A (10W)	5V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV

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: $\leq 1.5A$
- Inrush Current: $\leq 120A/230VAC$
- 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)

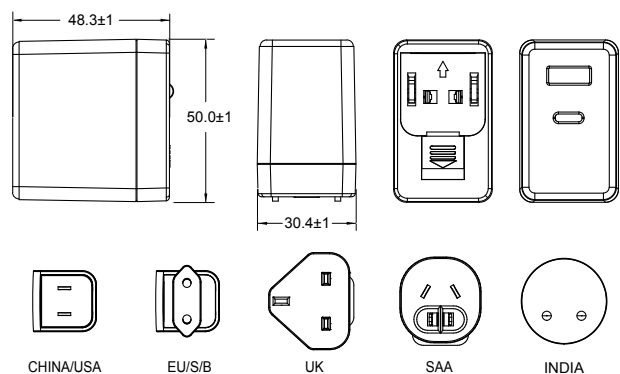
ENVIRONMENT

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

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), PSE, UKCA, BSMI

MECHANICAL



- Case Size: 50L x 48.3W x 30.4H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
S: South Africa, B: Korea, I: India
- Weight: 200g