

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

EU306AS X R - PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • S: South Africa • B: Korea • I: India
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	
EU306AS	65W	USB-C1	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	3.25A	$\pm 5\%$	$\pm 1\%$	240mV	
	65W	USB-C2	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	3.25A	$\pm 5\%$	$\pm 1\%$	240mV	
	20W	USB-A	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV	
			9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV	
			12V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	240mV	
	65W	USB-C1+C2	C1 (45W)	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
			C2 (20W)	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
				9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV
				12V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	240mV
				5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
				9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV
	65W	USB-C1+A	C1 (45W)	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
A (20W)			5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV	
			9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV	
			12V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	240mV	
			5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV	
			9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV	
15W	USB-C2+A	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV		
60W	USB-C1+C2+A	C1 (45W)	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	
		C2+A (15W)	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	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) $\geq V_o \times I_o$

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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)

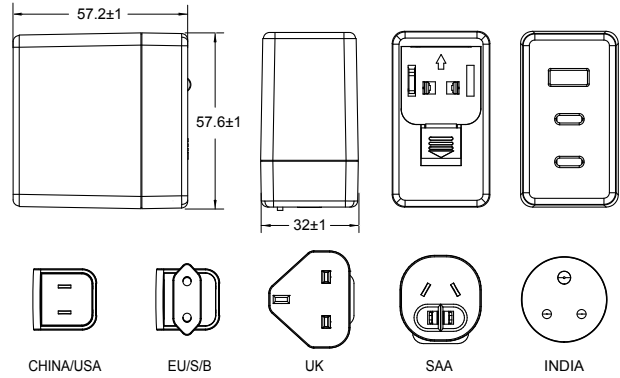
ENVIRONMENT

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

SAFETY

- 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: 57.6L x 57.2W x 32H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
S: South Africa, B: Korea, I: India
- Weight: 200g