

EU306AS Series

• 65W Max.

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 $\leq 0.3W$ (VI)
- MTBF > 100,000 hours
- P.D. 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	1.67A	$\pm 5\%$	$\pm 1\%$	240mV
				5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
				9V	0A	2A	$\pm 5\%$	$\pm 1\%$	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	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	2A	$\pm 5\%$	$\pm 1\%$	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) $\geq V_o \times I_o$