

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$ (VI)
- MTBF > 100,000 hours
- P.D. 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available
- Extra light weight and super miniature size
- High Reliability & Long Life
- Engineered for maximum wide range of compatibility including Apple, Android, Microsoft, HP devices
- Fast Charges your devices with latest intelligent PD Power Delivery
- Multi Territory Safety Approvals including UL (USA), UKCA (UK) and CE (Europe)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD(Io)	MAX. LOAD(Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
TGR-USB-65W-PD-DT	65W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mA
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	3.25A	$\pm 5\%$	$\pm 1\%$	360mV

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: $\leq 1.5A$
- Inrush Current: $\leq 120A/230VAC$
- Hold up time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

OUTPUT

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

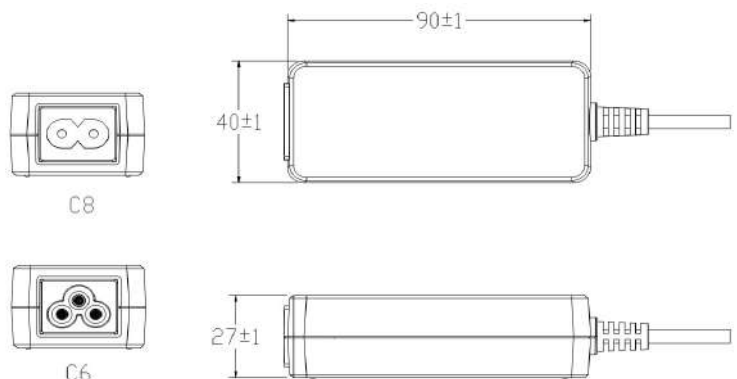
ENVIRONMENT

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

SAFETY

- Approved to 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)

MECHANICAL: 2 pin C8 input supplied as standard (3 pin C6 on request)



- Case Size: 90L x 40W x 27H (mm)
- AC Inlet: C8, C6
- Weight: 200g