

Battery Charger



Features

- Application: E-bike
- CC/CV Charging Mode
- 10S battery pack use
- For 42V Lithium-ion battery
- Battery Reverse Polarity Protection
- Universal AC input
- LED Indicator
- Protections :
Short circuit / Over voltage / Over current
Over temperature
- No load power consumption $\leq 0.21W$ (VI)
- MTBF > 100,000 hours

EC1168 X - vv PP

- X:** AC inlet: 2. C8 3. C6
vv: Specified output voltage, i.e. 42 is 42VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD(Io)	MAX. LOAD(Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC1168	168W	42V	0A	4A	$\pm 5\%$	$\pm 1\%$	600mV

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) $\geq V_o \times I_o$

Electrical Specification

INPUT

- Input Range: 100 to 240 Vac
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5A$
- Inrush Current: $\leq 120A/230VAC$

OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

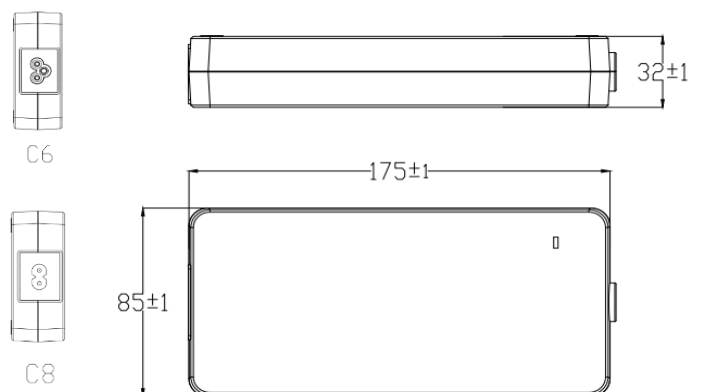
ENVIRONMENTAL

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 90 %

SAFETY

- Certified for whole series: UL/cUL 1012, EN/IEC 60335-1, EN/IEC 60335-2-29 FCC, CE

Mechanical Specification



- Case Size: 175L x 85W x 32H (mm)
- AC Inlet: C8, C6
- Weight: 670g

Above safety certificates are for reference only. Please contact our sales department for more details.