



WAMA ELECTRONICS TECH CO.,LTD

General Description

The 18650 is charger by middle charging current. There are two individual channels, which can be charged cylinder Li-ion rechargeable batteries such as 18650,17650,16670,18670 and 123A. It can always continuously charge the batteries. Using the trickle charge current can ensure to charge completely for the batteries. There is LED light.

1 Physical Requirements

1.1 Housing

1.1.1 Dimensions

Version	Lenght	Width	Height	weight
EU/NA	117mm	60.3mm	33mm	75g

1.1.2 Materials and construction

- **Materials:** ABS/PC
- **Color:** Titanium

1.2 Electrical requirements

1.2.1 Input Voltage

110~240V AC
12V DC

1.2.2 Input line frequency:

50/60HZ

1.2.3 Maximum Input current:

300mA*2

1.2.4 No-load input current:

10mA

1.2.5 Efficiency

60%

1.2.6 Output no-load voltage:

5V

1.2.7 Charge current: (ambient 25°C)

300mA*2

1.2.8 Maximum Output Power

3.5W

1.2.9 Charge termination:

The charger automatically terminates the charge cycle when the charge current drops to 1/10th the programmed value after the final float voltage is reached.

1.2.10 Charging indicates:
Charging:Red LED light
Charged:Green LED light
With 2 LED lights

1.2.11 Over-temperature protection:
Empty

1.2.12 Reverse-polarity protection:
available

1.3 Environmental requirements

1.3.1 Operating ambient temperature:
-10°C ~ 40 °C

1.3.2 Storage temperature:
-20°C-50°C

1.3.3 Operating humidity:
35%-90%

1.3.4 Storage humidity:
45%-85%

1.3.5 Operating Altitude
-100Ft – 12,000Ft Relative to Mean Sea Level

1.3.6 Product Life
Unit shall be designed to have a 5-year life minimum at 40°C, assuming Continuous Standby / Trickle operation with up to 1 power-up event per day (AC power applied to input), and 1 full charge cycle per day.

2 Regulatory

2.1 Safety standard:
EN60335.

2.2 EMI Compliance:
Meets EN55014 Class B conducted and radiated.

2.3 RoHS Compliance:
The product shall be compliance with the **European** Union's Restriction of Hazardous Substances **Directive (RoHS)**.