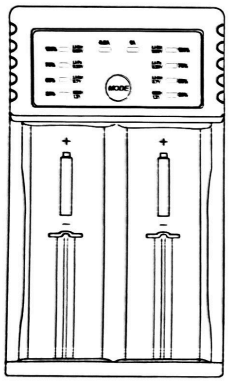
# *Smart Universal Battery Charger*




**This charger is designed for portable, flexible and multi types of battery. It can d etect the battery type and charge the battery automatically under your selected, charging current. Built-in LED indicators to display the charging status and 5V/100mAh USB output function**

## USER MANU

1. Warming:

- This charge is only for charging cylindrical li-ion (3.7V, 3.8V), Ni-MH/Ni-Cd, LiFePO4(Li-ion) batteries.
- Please read this instruction before use; Pay attention to the recommended charging current, never select improper charging current
- When charge with 5V USB AC adapter, 2A-current AC adapter is recommended
- The charger ma get hot during working a long time, handle with care!
- Please cut off the electricity and remove the battery from the charger when charging complete.
- Indoor condition only!!
- The displaying data of the charger is only for reference; please refer to professional test instruments if you need accurate data

2. Feature and Specification:

- Type-c USB DC 5V input, two independent slots and charging channels with built-in micro-computer management system to ensure the high efficiency
- Two charging current options (0.5A/1.0A)
- Four LED indicators shows the charging status (25%, 50%, 75%, 100%) and also shows the battery type when insert into battery (1.2V Ni-MH , 3.2V Li-Fe, 3.7V Li-ion, 3.85V li-ion)
- Identify Li-ion and Ni-MH automatically; But, you need to adjust the charge mode for LiFePO4 and 3.85V li-ion battery
- It can active 0V rechargeable battery but the charger don't charge 1.65V ~ 1.85V battery types.
- Buit with Over-charging protection, over-discharging protection and polar reverse protection. Also, it can identify broken battery.
- Charing mode: instant current and voltage.
- DC input charging: working power source at 5V-2A (Type-c)
- Standard automatical 5V/1000mAh USB output port

3. Select Button, LED and function.

MODE Button:

- Press the button to select the battery type when insert into a battery. It begin to charge the battery after fixing the battery type (please noted that it identify Li-ion and Ni-MH automatically, don't need to select manually)
- Press the button and hold it for 2 seconds whenever after connection to power, it can switch the charging current between 0.5A and 1.0A;

LED Indicator

- Connect the charger to power, all LED indicators will be on, when no battery insert after 5 seconds, LED indicators will be off except the 0.5A current indictor
- When battery is inserted into the charger, 4 LED indictors will be on and 3.7V LED indictors flicker, then, please click the MODE button to fix the correct battery type. It will begin to charge the battery 5 seconds later, and the LED indictors will show the charging status.
- Press the MODE button to show the battery type( 5 seconds ) during charging and return to show the charging status
- It can shows the battery's remaining power when put battery into the charger ( no connection with charging power)
- USB output indictor: When USB output is detected, the battery volume indictors will be on for 10 seconds and then off, click the button to show the battery's volume rate.

4. Specification:

- Input: Type-c USB DC 5V/2A
- Output: 1.48V, 4.2V±0.05V , 3.65±0.05V , 4.35±0.05V
- Output current: 500/1000mAh
- Constant voltage charging, cutoff current: < 100mAh
- Standby current:<15mAh

5. USB Output Function

- USB output no-load voltage: 4.90V-5.30V
- Output current: 1000mAh (1A)
- No-Load current: < 1mAh
- The output voltage is 4.75V-5.25V when current is 1000mAh
- Output protection voltage: 3.0±0.1V

6. Compatibility

- Li-ion/IMR: 18650, 18490, 18350, 17670, 17500, 16340(RCR123), 14500, 10440、21700

7. Size

- 116mm× 60mm×30mm/ 72.8grams + 16.5gram USB cable

CE FC RoHS

Design and made in China

Contact distributor for more information or support