

lithium battery charging board



- **LITHIUM BATTERY CHARGER BOARD**
- CHARGES AT 1Amp / 4.2V 1%
- Green LED = fully charged
- Red LED = charging

- charging mode: linear charge 1%
- Charging current: 1A adjustable
- charge accuracy: 1.5%
- Input voltage: 4.5V-5.5V
- full charge voltage: 4.2V
- Charging instructions: green light---fully charged; red light---charging
- Input interface: mini USB
- Working temperature: -10°C to +85°C
- Weight:10g
- peripheral dimension: 25*19*10mm (minimum volume in Taobao)
- Application range of modules
- This module is used for charging single or multiple parallel lithium battery, the charging port can take power from USB interface.

1 the current meter used for testing the current can only be serially connected to the 5V input interface of the charging plate.

2 the charging current is preferably be 0.37C of the battery capacity, which is 0.37 times the capacity. For example , charging 1000mAH battery only needs 400mA current. Over-large charging current may speed up charging process but it will lead to poor effect, the voltage of battery may plummet after charging!

3 charging connection wire cannot be too long and too thin, which will lead to high resistance. If the connection wire is too thin, the battery voltage will plummet after charging!

4 If connect to battery, the contact should be in good condition, otherwise, the battery voltage will plummet after charging!

5 if the input voltage of 5V is slightly high, such as 5.2 or even 5.5, it will cause the charge current to fall short of 1000mA, which is totally normal. The high voltage will lead to the warm-up fo the chip, and the charging current will automatically lowered to prevent the chip from burning down. It quite normal that the temperature of chips at work reaches about 60°C,after all, the charging current is very big.