

Type-C TP4056 18650 Lithium Battery Charging Board



newest Hayatec Type C TP4056 module is a complete single-cell Li-Ion battery with a constant current / constant voltage linear charger circuit board. The SOP40 package with heatsink on the bottom of the TP4056 and fewer external component make the TP4056 TYPE C module ideal for portable applications. Suitable for USB power and adapter power supplies. Due to the internal PMOSFET architecture and anti-reverse charging path, no external isolation diodes are required.

Thermal feedback automatically adjusts the charge current to limit chip temperature during high power operation or high ambient temperature conditions. The charging voltage is fixed at 4.2V, and the charging current can be externally set by a resistor. When the charging current drops to the set value of 1/10 after reaching the final float voltage, the TP4056 will automatically terminate the charging cycle.

When the input voltage (AC adapter or USB power) is removed, the TP4056 automatically enters a low current state, reducing the battery leakage current to less than 2uA.

The TP4056 can also be placed in shutdown mode when there is a power supply, reducing the supply current to 55uA.

Other features of the Hayatec Type C TP4056 module include battery temperature sensing, undervoltage lockout, automatic recharge, and two LED status pins for charging and termination.

FEATURES:

Charge module- Linear charging.

Current- 1A adjustable.

Charge precision- 1.5%.

Input voltage- 4.5V-5.5V.

Full charge voltage- 4.2V.

Led indicator- red is charging Green is full charged.

Input interface- Type C USB.

Work temperature- -10° to +85°.