



Features

- Preset 8.4V Charge Voltage with 1% Accuracy
- Programmable Charge Current Up to 1A
- Input Voltage: 9V ~ 13V
- Pre-Charging, the Charge Current is adjustable
- Ideal for Dual-Cell (8.4V)Li-Ion Batteries
- Constant -Current Charging, the Charge Current is adjustable
- Constant-Voltage Charging
- Constant-Current/Constant-Voltage Charging with Temperature Monitoring
- Automatic Recharge
- Double LEDs Charge Status Indication
- Available in SOP-8L Package

Applications

- Charger for Li-Ion Coin Cell Batteries
- Portable MP3 Players, Wireless Headsets
- Multifunction Wristwatches
- Bluetooth Applications

Description

The HX6017 is a complete constant current/constant voltage linear charger for cell lithium-ion batteries. Its package and low external component count make the HX6017 ideally suited for portable applications. The charge current can be programmed externally with a single resistor. HX6017 determines the charge mode by detecting the battery voltage: Pre-charge, constant current charging, constant voltage charging. The charge current of pre-charging and constant –current charging is adjustable. The HX6017 is monitored by temperature monitor during the constant-current and constant-voltage charging. There are two LEDs indicate the charge mode.

The HX6017 is available in the SOP-8L package (or upon request).