



Features

- Preset 8.4V Charge Voltage with 1% Accuracy
- Programmable Charge Current Up to 1A
- Input Voltage: 9.2V ~ 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
- Bluetooth Applications
- Portable MP3 Players, Wireless Headsets

Description

The HX6038-NG is a highly advanced complete constant-current/ constant voltage linear charger for cell lithium-ion batteries. Its package and low external component count make the HX6038-NG ideally suited for portable applications. The charge current can be programmed externally with a single resistor, which may be programmed up to 1A. HX6038-NG determines the charge mode by detecting the battery voltage: Pre-charge, constant current charging, constant voltage charging. The charge current of Opre-charging and constant -current charging is adjustable. The HX6038-NG is monitored by temperature monitor during the constant-current and constant-voltage charging. There are two LEDs indicate the charge mode.

The HX6038-NG is available in the SOP-8L package.