



### Features

- Input Voltage Range: 4.7V-6V
- End - Charge - Current Detection Output
- Constant Switching Frequency for Minimum Noise
- Automatic Battery Recharge
- Automatic Shutdown When Input Supply is Removed
- Automatic Trickle Charging of Low Voltage Batteries
- Battery Temperature Sensing
- Stable with Ceramic Output Capacitor
- 10-Lead DFN Package

### Applications

- Charging Docks
- Portable Computers
- Handheld Instruments

### Description

The HX6201 is a complete switching battery charger for one (4.2V) cell lithium-ion battery. The HX6201 provides a small, simple and efficient solution to fast charge Li-ion battery. An external sense resistor sets the charge current with high accuracy.

The maximum charge current which programmed by a resistor is up to 1.2A. An internal resistor divider and precision reference set the final float voltage to 4.2V. When the input supply is removed, the HX6201 automatically enters a low current sleep mode.

The HX6201 is available in the 10-Lead DFN package.