



bq2050HEVM

bq2050H Evaluation Kit

Features

- Complete evaluation system for the bq2050H Li-Ion Power Gauge™ Gas Gauge IC
- Pre-programmed DM2050H Module for quick setup
- Includes PC software and interface board for easy evaluation
- Software allows data logging for system analysis

General Description

The bq2050HEVM is a complete evaluation system for the bq2050H Li-Ion Power Gauge™ Gas Gauge IC. The EVM includes one DM2050H circuit module, an EV2200 PC Interface Board for gas gauge evaluation, a PC serial cable, and Windows-based PC software. The DM2050H circuit module includes one bq2050H IC, a sense resistor, five LEDs to display remaining capacity, and all other components on-board necessary to monitor capacity and other critical parameters in a Li-Ion battery pack. The DM2050H connects directly across the cells in a battery. With the EV2200 interface board and software, the user can read the bq2050H data registers and evaluate the functions of the bq2050H under different charge/discharge conditions.

Each bq2050H Evaluation Kit is pre-configured for a specified pack voltage and pack capacity as outlined in Ordering Information. The kits should be ordered on the basis of the pack voltage of the application.

Please refer to the EV2200-50H User Guide for information on how to install the software, connect the evaluation setup, and use the main features of the evaluation kit.

Kit Contents

- 1 DM2050H pre-configured circuit module
- 1 EV2200-50H includes
 - EV2200 PC interface board
 - Set of evaluation software disks
 - PC serial cable
 - EV2200-50H User Guide

Support documentation including

- DM2357 Reference Design (bq2050H with UCC3957 Protector IC)
- bq2050H data sheet
- DM2050H data sheet
- UCC3957 data sheet

Ordering Information

| EVM Part Number | Module Part Number | Pack Voltage | Capacity* |
|-----------------|--------------------|--------------|-----------|
| bq2050HEVM-002 | DM2050H-002 | 10.8V | 4.5Ah |

*Can be modified by adding or subtracting resistors on the DM2050H.