



## BMS for Lithium Batteries (NMC/LFP) iDB-BMS-LB48

### Features

- Protects the battery pack from over-charge and over-discharge thereby extending cycle life
- Monitors internal resistance of individual cells and the measured capacity of the battery pack
- Over-temperature and under-temperature protection with fan controls for cooling or heating
- Coulomb counting and dynamic drift correction are used to monitor the state of charge
- Provides multiple methods of controlling chargers, motor controllers and other external devices
- A wide cell voltage range supports almost all lithium ion batteries and even some NiMH batteries
- Efficient passive balancing is used to maximize the usable capacity of battery packs
- Parameters such as voltage ranges, current limits and many other settings are easily field changeable

### Specifications

Nominal Supply Voltage	10 – 16 VDC
Supply Current – Active *	250 mA
Current – Sleep (Rev C) *	650 $\mu$ A
Operating Temperature	-40 - 80 C
Cell Voltage Measuring Range	0.5 – 5.0 mS
Number of Cells Supported In Series	4 – 180 cells