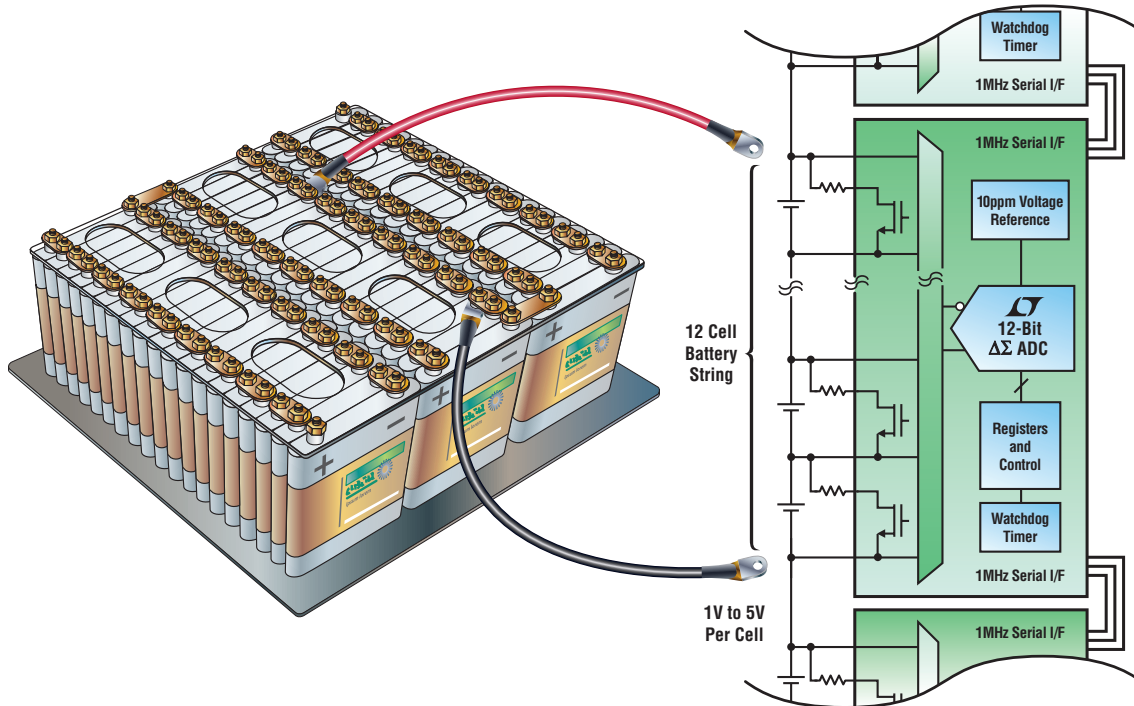


High Voltage, Precision, Battery Stack Monitor



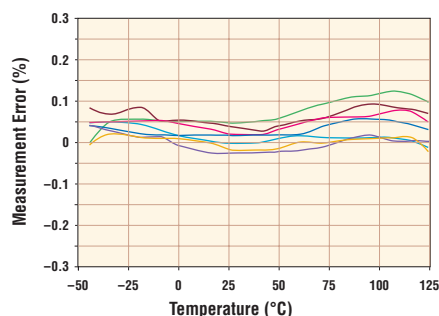
Rugged IC for Hybrid/Electric Vehicles & Battery Backup Systems

The LTC[®]6802 is a highly integrated multicell battery monitoring IC, capable of measuring up to 12 individual battery cell voltages. Using a novel serial data communication technique, multiple LTC6802s can be stacked in series without optocouplers or isolators, allowing precision voltage monitoring of every cell for 1000V+ systems. With high ESD, EMI and noise immunity, the LTC6802 stands up to real world conditions in a range of automotive and industrial applications.

▼ Features

- 0.25% Maximum Total Measurement Error from -40°C to 85°C
- $\Delta\Sigma$ ADC with Inherent FIR Filtering
- Onboard FETs for Cell Discharge
- External Temperature Inputs
- Diagnostics and Fault Detection
- AEC-Q100
- 44-Lead SSOP Package
- Fully Specified for -40°C to 85°C

Cell Measurement Accuracy



Typical devices show outstanding accuracy over extended temperature extremes.

▼ Info & Free Samples

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