



14-Channel Li-Ion Battery Cell Controller IC

MC33771B

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The MC33771 is a Li-Ion battery cell controller IC designed for automotive and industrial applications such as HEV, EV, ESS, UPS systems. Featuring:

- ADC conversions on the differential cell voltages and currents as well as coulomb counting and temperature measurements.
- Embedded balancing transistors and diagnostics to simplify applications.
- Support standard SPI and transformer isolated daisy chain communication (with [MC33664](#)) to an MCU for processing and control.
- The MC33771 is compliant with [MPC5xxx](#) 32-bit MCU families.

Datasheet, Safety Manual and Application Hint available with non-disclosure agreement (NDA). For additional information, contact your local [NXP Sales Office](#).

