Overview

Take control of your battery circuit design with a broad range of battery management tools designed to shorten the development cycle and get to market faster. From device selection to evaluation, TI’s tools library accelerates your design process and empowers you to make fast, informed decisions. Learn more about battery management topics from experts at BMS University. Find the right device quickly with the Quick Search Tool. Test your design using bqStudio and other specialize evaluation tools.

Featured Tools

Battery Quick Search Tool
Device selection tool
Quickly find the right device based on function, chemistry, and cell count

Key benefits
• Narrows TI’s broad portfolio to match your criteria
• Fast, easy, and efficient

Battery Management University
Instructional videos and training resources
Learn about basic and advanced battery management concepts from the battery experts

Key benefits:
• Training videos and courses
• Glossary and FAQs
• E2E™ Charging, Gauging and Wireless Power forums

bqStudio
Evaluation and test software
Evaluate, design with, configure, and test BMS devices

Key benefits
• Simple interface to set up gauging in five clicks
• Supports a range of devices including gauges and chargers

bqMTester
Multi-channel test and program board
Calibrate and program electronic smart battery modules and fuel gauges

Key benefits
• Affordable solution
• Modify testing to your requirements
• Data logging feature preserves manufacturing records

TI Designs
Reference design library
Tested designs with comprehensive schematics, block diagrams, BOMs, design files, and test reports

Key benefits:
• Jump start your system design and reduce time to market
• Designs created by experts with deep system and product knowledge

MathCAD CEDV Tool
Math calculation and simulation module
Get matching CEDV coefficients for your fuel gauge. MathCAD license required.

Key benefits
• Increases fuel gauge accuracy
• Compatible with Impedance Track™ technology
**Gauging Parameter Calculator**

Math calculation and simulation tool

Get matching CEDV coefficients for your fuel gauge.

MathCAD license not required.

**Key benefits**

- Increases fuel gauge accuracy
- Compatible with most gauges (excludes Impedance Track™ devices)

**Gauge Development Kit**

Single-cell fuel gauge evaluation system

Configure and evaluate your connected fuel gauge under different charge and discharge conditions

**Key benefits**

- Simplifies testing with automated learning cycles and less equipment
- Cost-effective device evaluation
- Compatible with bqStudio for easy configuration

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For a complete listing of tools, design resources and instructional videos visit [ti.com/batterytools](http://ti.com/batterytools)

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