



The TBMM (Tesla Battery Module Monitor), is a specialized scan tool interface designed for the DIY electric vehicle community. It provides a robust solution for testing salvaged Tesla Model S and X battery modules.

The compact tool allows users to read cell voltages and temperatures in real-time. By providing critical data, the TBMM helps monitor modules for safer operation and balanced charging, making it an essential tool for high-quality, sustainable conversion projects.

FEATURES:

- Compact, easy to use display with included stand
- Pre-wired connectors are easy to use
- Test single modules or strings of modules with optional cabling
- Balances cell groups utilizing hardware built into stock Tesla BMB
- WiFi connectivity and built-in web interface
- Simplistic design shows data quickly for testing large groups of modules

BENEFITS:

- Diagnose Tesla S or X modules outside the pack
- Measure voltages, temperatures and relative balance in seconds
- Tests the functionality of the Tesla BMB board
- Connects to your PC, phone or tablet via WiFi to print, display or project
- Save time and money

STUDENT LEARNING OUTCOMES:

- Identify the purpose and function of balancing cell groups
- Interpret how series and parallel get to total voltage
- Determine if cell groups have failed or faulty cell taps

TECHNICAL INFORMATION:

Built with ESP32-S3 microcontroller with 1.28" display
Dimensions: approx 6" x 4" x 7" and under 1 lb