

EVNEXOMART

EV Doctor Pro Portable EV Battery Diagnostic Tool

Application: Electric 2-Wheelers Garage & Service Testing

PRODUCT OVERVIEW

The EV Doctor Pro is a professional-grade, hand-held diagnostic and testing kit purpose-built for electric two-wheelers. Ideal for workshops, service networks, and EV garages, this intelligent analyzer safely checks battery pack state-of-health (SOH), individual cell health balancing thresholds, voltage sag parameters under heavy load profiles, and internal resistance matrices. It significantly streamlines vehicle troubleshooting by quickly locating weak cells, faulty connection strips, or defective BMS modules without requiring time-consuming battery tear-downs.

TECHNICAL SPECIFICATIONS

SYSTEM CONFIGURATION	
Supported Voltage Ranges	24V, 36V, 48V, 60V, 72V, up to 84V Max systems
Chemistry Compatibility	Lithium-Ion (NMC), Lithium Iron Phosphate (LiFePO4), & Lead-Acid
Primary Diagnostic Modes	Voltage Tracking, State of Health (SOH) Eval, State of Charge (SOC) Assessment, & Resistance Mapping
Test Display Interface	High-contrast, backlit LCD display screen for real-time workshop tracking
Connection Mechanics	Heavy-duty insulated Kelvin clamps and multi-pin adapter probes
Data Logging Capabilities	Saves local test records with an optional USB connectivity port for desktop reporting
Housing/Enclosure	Impact-resistant ABS engineered with an anti-slip protective rubber sleeve
Power Resource	Draws active operational power natively from the connected vehicle battery under test

KEY PERFORMANCE FEATURES

Real-Time Load Simulation Simulates dynamic operational loads safely to monitor battery voltage sag, letting technicians catch internal	Multi-Chemistry Support Universally analyzes standard e-scooter platforms (NMC packs) as well as heavy duty multi-purpose
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resistance faults that only appear while the vehicle is in motion.

application packs (LFP/Lead-Acid) with automated protocol mapping.

Plug-and-Play Diagnostics

Zero internal battery setup delays required; immediately boots up when clipped onto live inputs to read live pack voltages, protections, and balancing health indices.

Garage-Optimized Ergonomics

Rugged construction ensures continuous accuracy across tough garage floors, resisting grease markings, minor bumps, drops, and damp workspaces.

WORKSHOP BEST PRACTICES

- Ensure battery contact points are thoroughly free of debris, oxidation, or grease coatings before snapping on the testing terminals.
- Do not cross positive and negative clips to avoid system over-arc risks.
- Store the unit inside its protective hard case when moving between field assessments or long-term shop storage.

For pricing tiers, batch shipping, or updated multi-pin connector accessory variants, please visit:
<https://evnexomart.in/product/ev-doctor-pro-portable-ev-battery-diagnostic-tool-for-electric-2-wheelers/>