

EVNEXOMART

EV Doctor Air Portable EV Battery Diagnostic Tool

Application: Lightweight Wireless Fleet Diagnostic & Field Testing

PRODUCT OVERVIEW

The EV Doctor Air is a highly portable, ultra-lightweight diagnostic instrument engineered for rapid on-site assessment of electric vehicle battery packs. Specifically optimized for wireless data monitoring, roadside assistance teams, and dynamic fleet management operations, the "Air" variant enables seamless diagnostic checks without bulky tethering systems. It monitors vital signs such as individual cell bank voltages, thermal indicators, and estimated state-of-health (SOH), transmitting information to operators cleanly and accurately.

TECHNICAL SPECIFICATIONS

SYSTEM CONFIGURATION	
Supported Voltage Ranges	12V, 24V, 36V, 48V, 60V, to 72V Nominal systems
Connectivity Module	Integrated Wireless Bluetooth / Wi-Fi Smart Sync Link
Chemistry Compatibility	Lithium-Ion (NMC), Lithium Iron Phosphate (LiFePO4)
Measurement Precision	±0.02V high-accuracy micro-controller measurement matrices
Form Factor Profile	Ultra-compact palm-sized design, specialized for mobile field toolkits
Diagnostic Capabilities	Cell imbalance discovery, live voltage scanning, temperature tracking
Internal Power Pack	Low-consumption configuration, utilizing minimum standby bus draw

KEY PERFORMANCE FEATURES

Wireless Mobility Layout Eliminates dense wiring constraints in compact vehicle frames by pairing seamlessly with smart device interfaces for remote technical readouts.	Rapid Health Screening Provides immediate pass/fail analysis parameters regarding individual pack imbalance thresholds to shorten evaluation turnaround.
Ultra-Lightweight Housing	Dynamic Cloud Logging Ready

Ergonomically engineered for engineers on the move, fitting directly into uniform pockets or streamlined fieldwork testing bags.

Simplifies multi-vehicle data compilation by easily syncing diagnostic history flags to centralized fleet management portals.

FIELD OPERATION GUIDELINES

- Ensure the wireless pairing link is securely authorized prior to running load test routines.
- Protect probe tips from direct heavy debris or moisture exposure to maintain fine precision tolerances.
- Maintain smart firmware up-to-date to unlock latest battery profile tracking maps.

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