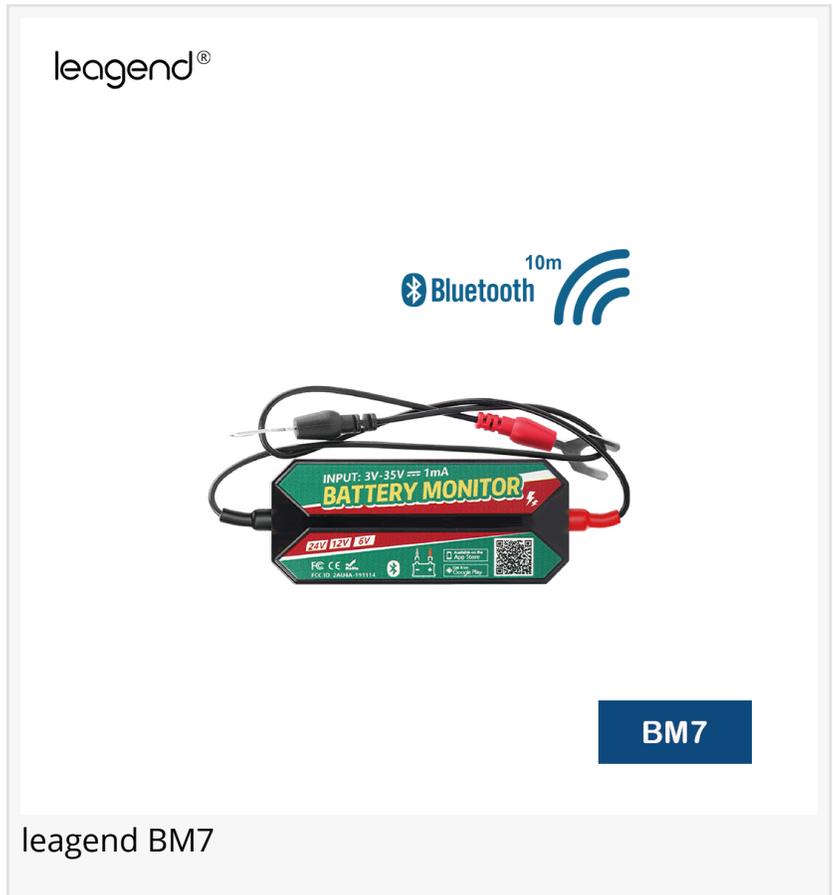


leagend BM7 Makes a Transformative Leap in Battery Monitoring with Robust Performance

leagend has introduced the BM7, a versatile 6V/12V/24V battery monitor to support both lead-acid and lithium chemistries across a broad range of applications.

SHENZHEN, GUANGDONG, CHINA, May 14, 2025 /EINPresswire.com/ -- leagend, a leader in battery testing and monitoring technology, has introduced the BM7, a versatile 6V/12V/24V battery monitor engineered to support both lead-acid and lithium chemistries across a broad range of applications—including trucks, cars, motorcycles, boats and energy storage systems. Combining multi-device management, customizable alarm thresholds, trip recording, and an IP67-rated enclosure, the BM7 promises to streamline battery maintenance, optimize battery life, and reduce unexpected downtime for professionals and enthusiasts alike.



leagend BM7

At its core, leagend BM7 provides universal compatibility, working seamlessly with 6V, 12V and 24V lead-acid batteries as well as lithium packs. Beyond simple voltage monitoring, it features dedicated tests for startup systems and charging circuits on 12V and 24V architectures, allowing technicians to diagnose alternator performance or identify parasitic drains before they cause failures. This all-in-one approach removes the need for multiple specialized tools, accelerating workflows and cutting costs in fleet maintenance and service environments.

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Arthur Kingsly

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Recognizing that no two batteries age or behave identically, leagend BM7 includes a fully

customizable calibration engine. Users can define the precise voltage thresholds that map to charge-state percentages, ensuring that battery “fuel-gauge” readings accurately reflect true capacity. Whether you run a mixed fleet of diesel trucks, electric watercraft or off-grid solar modules, tailoring voltage-to-percentage curves to each application guarantees that alerts and diagnostics are always meaningful and actionable.

Proactive warning systems are crucial for preventing service interruptions. leagend BM7 continuously monitors voltage, temperature and charge state against user-defined limits, and instantly triggers alarm notifications if any parameter strays beyond safe bounds. Alarm profiles can be configured on a per-device basis, enabling different alert sensitivities for passenger cars, heavy-duty commercial vehicles or marine batteries. Notifications can be pushed directly to leagend mobile app, ensuring on-the-spot awareness of developing issues.

Beyond battery health, leagend BM7 doubles as a comprehensive trip recorder. Every journey’s GPS track, energy consumption data and driving-habit metrics are logged onboard and can be exported as an Excel file for in-depth analysis. Upon parking, the device automatically stores the vehicle’s location and integrates with the app’s Car Finder feature, guiding users back via smartphone navigation—especially useful in large parking facilities or remote trailheads.

Fleet managers and multi-vehicle operators will appreciate leagend BM7’s multi-device monitoring dashboard, which consolidates up to four monitors on a single interface. This unified view enables side-by-side comparison of battery statuses, historical trends and alarm events—ideal for service centers overseeing dozens of assets or for agricultural operations coordinating tractors, harvesters and support vehicles.

Data integrity is paramount in preventive maintenance. leagend BM7 stores up to 72 days of detailed historical records—including voltage, charge percentage and temperature—captured at two-minute intervals.



leagend battery monitors



leagend

Importantly, this onboard database remains intact even if the device loses power, preserving a complete chronology of battery behavior leading up to any anomaly. For long-term archiving, the accompanying mobile app offers unlimited cloud storage of historical logs and over-the-air firmware upgrades at no extra cost.

When the going gets tough, legend BM7's IP67-rated housing provides full protection against dust ingress and water immersion up to one meter, making it equally at home in dusty workshops, marine environments or muddy off-road excursions.

"legend BM7 represents a transformative leap in battery monitoring," said one of legend's engineers. "By fusing multi-chemistry support, customizable analytics, proactive alarm notifications and rugged durability, we're delivering actionable insights that extend battery life and enhance operational reliability across diverse industries".

[The legend BM7](#) is now available globally through legend's network of distributors and OEM partners. Interested customers can request samples, technical datasheets and volume pricing via legend's website.

Comprehensive support—including user manuals, tutorial videos and regional sales expertise—is accessible through legend's online portal and local offices in North America, Europe, Asia, and beyond.

As electrification and data-driven maintenance become the norm, legend BM7 stands out as a must-have tool—transforming battery servicing from reactive troubleshooting into proactive lifecycle management, ensuring vehicles and energy systems remain powered, protected and performing at their best.

legend has been a top manufacturer of battery monitors for over 20 years based on its leading battery testing and battery monitoring technologies and algorithms in the industry. Besides legend BM7, legend also has [BMS100](#) which is the first 4G battery monitor in the industry, [BM6](#) which is the 12V Bluetooth multi-battery monitor, BM2 which is the most classic 12V Bluetooth battery monitor and BT2000 which is a professional Bluetooth battery monitor. <https://legend.com/>

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