BatteryCheck

PREDICTIVE BATTERY MANAGEMENT SYSTEM OF THE YEAR IN EUROPE 2025 — BatteryCheck

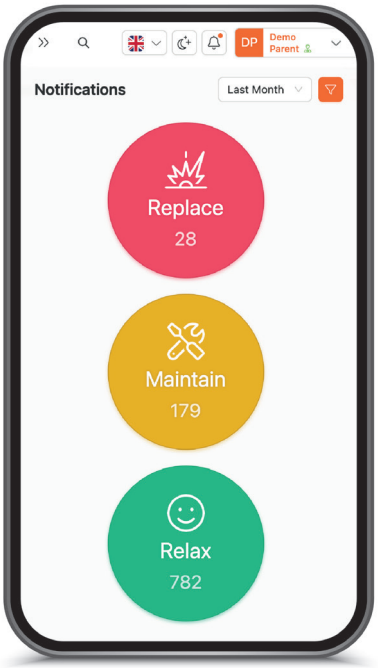
TOP ENERGY STORAGE SOLUTIONS PROVIDER IN EUROPE 2024 — BatteryCheck — AWARDED BY ENERGY TECH REVIEW

Predictive Battery Monitoring Service

Overview:

In the evolving landscape of battery management, businesses often grapple with inefficiencies stemming from reactive maintenance practices and a lack of real-time insights into battery health. Traditional systems fail to provide a comprehensive view, leading to unforeseen downtime, increased replacement costs, and suboptimal performance. The absence of proactive measures often results in addressing issues only after they occur, hindering overall operational efficiency.

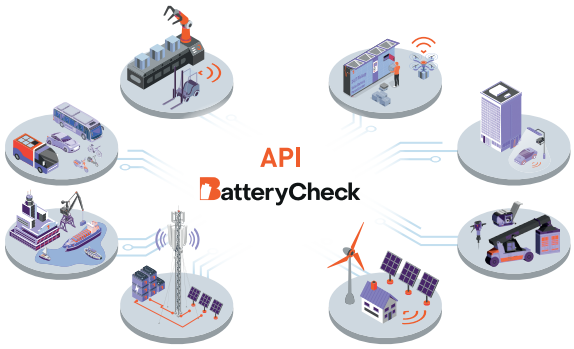
BatteryCheck is a patented cutting-edge predictive battery monitoring service designed to revolutionize how you manage and monitor your battery assets. Leveraging advanced machine learning algorithms and real-time data analysis, BatteryCheck goes beyond current battery management systems, offering a forward-thinking approach that predicts potential issues and optimizes battery performance for the future.



Key Features:

Predictive Maintenance:

- Proactively identify potential battery issues before they cause downtime.
- Receive timely alerts and recommendations for maintenance interventions.



Cost Savings:

- Minimize unexpected battery replacements and associated costs.
- Extend battery life, reducing the frequency of replacements.

Health Monitoring:

- Continuous monitoring of battery health parameters.
- Detection and alerting of early anomalies to avoid the battery failure.

Performance Optimization:

- Fine-tune battery performance for maximum efficiency.
- Monitoring batteries in their 1st life and 2nd life with data immutability.

User-Friendly Interface:

- Intuitive dashboard for easy visualization of battery status.
- Customizable reports and analytics tailored to your specific needs.

www.batterycheck.com
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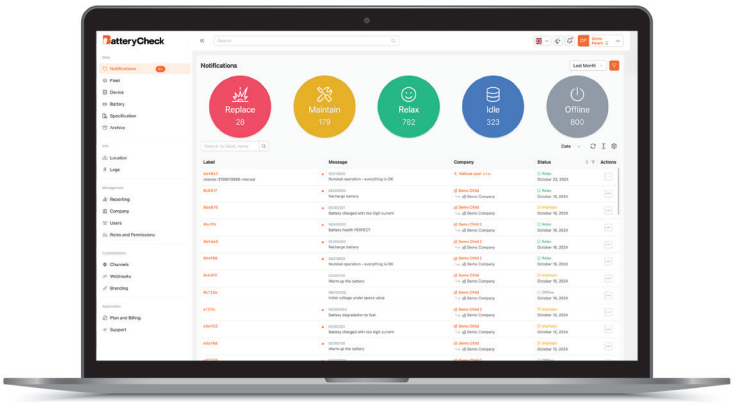
How It Works:

Visualization:

- Either use the BatteryCheck frontend dashboard as a "battery traffic light" to consume alerts, predictions, and battery health records in one place.
- Or, seamlessly parse the alerts delivered via API and create a widget to visualize the results of BatteryCheck monitoring in your existing applications, portals, or visualization platforms.



1. Data Collection:

- BatteryCheck collects existing real-time telemetry data from **connected batteries**, including performance metrics and environmental conditions.
- BatteryCheck leverages third-party hardware and sensors for **disconnected or offline batteries** to obtain necessary telemetry measurements, ensuring no battery is left unmonitored.

2. Artificial Intelligence Algorithms

- Powerful algorithms analyze the data to predict potential issues and assess overall battery health.

3. Alerts and Recommendations:

- Receive instant alerts for critical events and actionable recommendations for maintenance or optimization.

Cloud-Based Platform:

- Monitor your entire battery fleet in one centralized location.
- Customize user rights for various batteries, fleets, or entities.

Our predictive battery monitoring service is predominantly utilized by manufacturers of various battery-powered devices and vehicles, service providers, and system integrators, offering the capability to monitor any device or battery, whether in its 1st or 2nd life, across various battery chemistries.

Benefits:

Cost Savings:

Optimize battery performance to maximize battery life and reduce replacement costs.

Reliability:

Fine-tune battery usage based on real-time insights, improving overall system efficiency.

Risk Reduction:

Minimize the risk of unexpected downtime, failures, or fires by addressing battery issues before they escalate.

Regulations:

Enable ESG alignment, regulatory compliance, lifecycle transparency, and sustainable battery management.

Unlocking the Potential: Studies Confirm 20% Prolonged Battery Life:

Numerous studies have highlighted the significant impact of proper battery management on extending battery life. BatteryCheck, with its predictive analytics, aligns with these findings, offering a potential increase of 20% in battery lifespan. By implementing proactive maintenance strategies and optimizing battery usage based on real-time insights, businesses can mitigate risks and realize substantial cost savings over the life of their battery assets.

Invest in the future of advanced battery management with BatteryCheck and experience a paradigm shift in how you safeguard and maximize the potential of your battery investments.

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eit Manufacturing
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ČBK Czech Battery Cluster

IEMA international electric marine association

T A
C R

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