

INTELLIGENT BATTERY ANALYTICS PLATFORM

Grid-Scale BESS | Industry Leading Accuracy | On-Premise & Cloud

Our Battery Intelligence platform delivers cell-level state estimation, real-time operational insight, and degradation modelling built on deep electrochemical understanding of the cell; turning raw BMS data into decisions that improve performance, efficiency, and asset returns.

Built on a decade of cell and battery-level algorithm development. Optimized for LFP, compatible with standard BMS and any BESS manufacturer.

WHAT SETS IT APART



Coupled State Estimation

SoC & SoH accuracy maintained over the system's lifetime



Real-Time Operational Score

BMS data turned into a clear operational score



Deployable at Every Layer

Flexible architecture that runs on embedded, edge, or cloud



Predictive Analytics

Degradation and lifetime prediction, from cell to fleet

LAYER 1

ENHANCED STATE DETECTION

State estimation bundle that solves SoC and SoH as a coupled system. Running recursively in real time, it does not require historical training data or lab data; datasheet information is all that's needed. Flexible enough for edge and embedded deployment at the cell level. The algorithm also produces continuous resistance estimates, uncertainty quantification, as well as predictions of remaining energy and available power.

±2%

SoC Accuracy maintained for life

Cell-Level, Real-Time

On-site estimation, no cloud required

Anomaly

Native anomaly detection

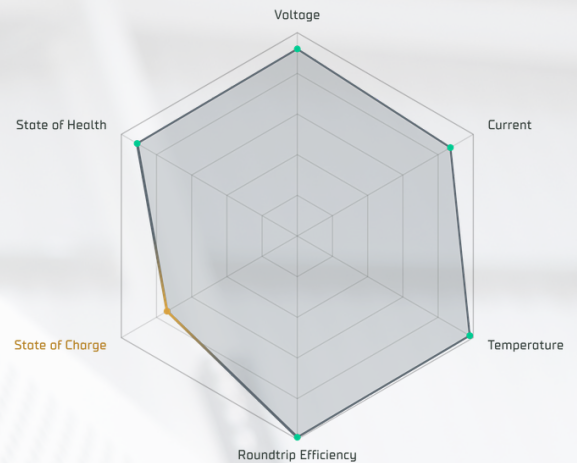
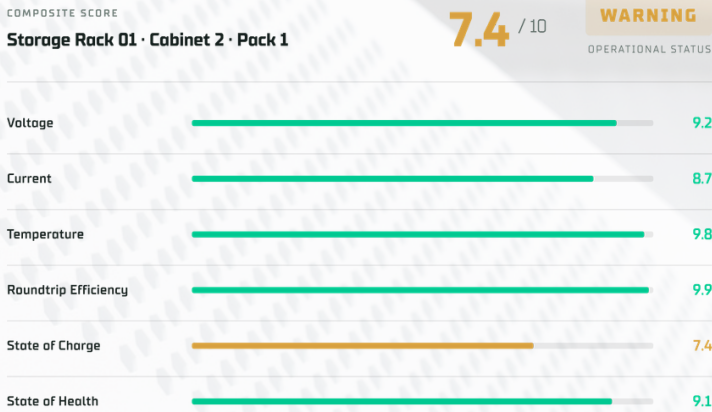
Rapid Deployment

Minimum lab data required

LAYER 2
INSIGHT ENGINE

The Insight Engine turns raw BMS telemetry into a real-time operational picture. It scores every asset, tracks cell-level imbalances and quantifies confidence in every measurement. It pinpoints where performance bottlenecks and limitations sit, to enable identification of corrective actions and catches degradation patterns early to shift maintenance from reactive to predictive.

<p>Operational Score One score for asset operation</p>	<p>Imbalance Insights SoC-based imbalance tracking</p>	<p>Quantified Confidence Quantified margins on every measurement</p>	<p>Predictive Alerts Early warning on degradation & faults</p>
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LAYER 3
PREDICTIVE ANALYTICS

Predictive Analytics brings cloud-based machine learning tools to track degradation, predict remaining useful life, and support warranty validation, repowering decisions, and revenue forecasting, all grounded in real cell-level behavior.

<p>Degradation Capacity & power fade tracking over lifetime</p>	<p>RUL Remaining useful life forecasting per cell</p>	<p>Financial Revenue projection & warranty validation</p>	<p>Cloud-Based Scalable ML models for fleet-wide analysis</p>
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