

Efficient asset management with battery diagnostics

In the dynamic market of battery energy storage systems within PV farms, intelligent asset management becomes increasingly pivotal for owners and operators over the up-





coming years. Leveraging advanced analytics and predictive maintenance, efficient asset management is essential for optimizing system performance and extending battery life.

Upgrade your asset!

- Increase your revenue with predictive maintenance.
- Extend plant availability through optimized asset management.
- Maximize your safety concept with trend alerts.
- Meet your warranty conditions with reliable battery monitoring.
- Receive expert recommendations for lifetime extension & second life concepts.



Mission: Empowering smart battery choices for a secure, efficient and sustainable future

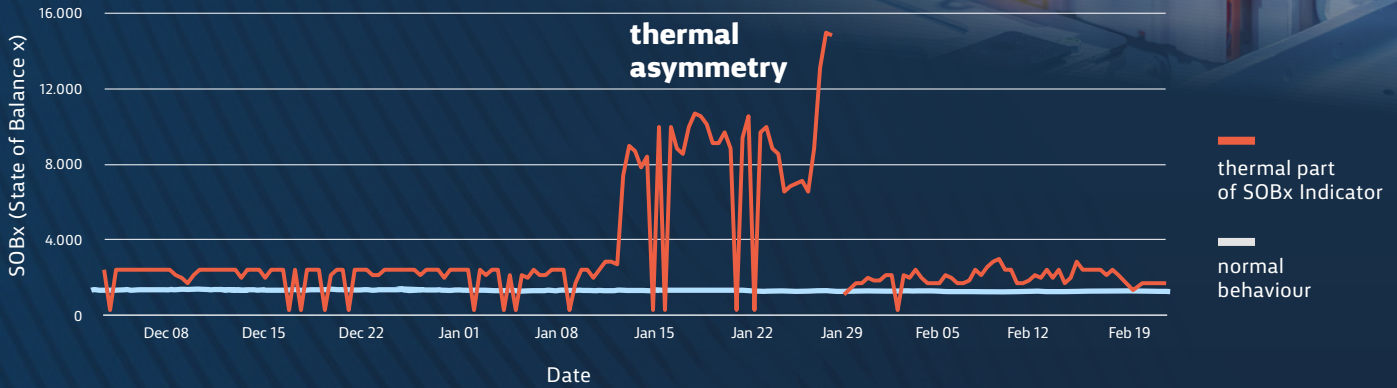
-  Simplification of cutting-edge technology
-  Conversion of manufacturer 's data into knowledge
-  Early detection of anomalies
-  Improved visualization and comprehensibility of long-term trends

Vision: Every battery will be used to its true potential.

Battery diagnostics for...




Exemplary use case



Key findings of an 80MWh BESS plant in North America

The thermal behavior of an individual battery module within the asset is displayed using our patented SOBx indicator, which detects anomalies such as temperature and capacity imbalances.

- **Primary Result:** Identification of thermal anomalies & disbalances with patented SOBx indicator.
- **Time Saving:** Numerous failure detections at module level months ahead.
- **On-Top Analysis:** Significant imbalances and violations of voltage thresholds in various modules.
- **Notification:** Exclusively with volytica battery monitoring, no errors reported by BMS or SCADA.

 **OUTCOME:** **Financial savings – €150,000/year.***
Prevention – Mitigated medium-term total failure risks for individual modules.

VOLYTICA DIAGNOSTICS

- | Independent and holistic battery diagnostics
- | Accurate prediction of all typical battery quality indicators
- | Over 10 years of experience
- | Proven German technology



**You need a recharge?
Get in touch!**

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