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1. Features

Energy Management System (xEMS)

xEMS is located behind the meter and it is designed to optimize power consumption and peak demand of the user, significantly reducing operational costs. Through advanced consumption modelling, effective use of energy storage and data from xEMS server, the xEMS helps to achieve the set target strategy.

- Utilization of the cheapest energy sources available at any given time through managing energy flow.
- By integrating alternative energy sources, the EMS maximizes the use of inexpensive energy, contributing to overall cost-efficiency regardless of the energy supplier, offering flexibility and reliability in various operational environments.
- Peak shaving and tariff-based optimization.
- Dynamic energy price-based optimization.
- Users can define their own strategies tailored to their specific needs.
- The EMS comes with a lifetime warranty on tariff system adaptability, ensuring cost-effectiveness and adaptability to evolving energy tariffs.

Battery Storage (BESS)

- BMS features LiFePO4 Grade A cells, engineered to deliver up to 6500 cycles, for longevity and consistent performance.
- From 10KWh low voltage to multi-megawatt high voltage energy storage systems.
- OFF grid, ON-grid and Utility scale solutions.
- AC coupled, DC coupled and Hybrid (includes PV) solutions
- Remote monitoring capabilities enable real-time oversight and management, supported by digital services.
- Provides detailed analytics and diagnostics to ensure optimal performance and maintenance.
- Reliability and efficiency in managing large-scale battery networks.
- Works with xEMS as simple and effective integrated solution.

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