All-in-One BESS

Cabinet 261k

A high-performance cabinet-based BESS for C&I applications, enabling reliable backup power and advanced on-site energy optimization

261 kWh
capacity

125 kW
power



- Powered by Siemens industrial control technology
- Integrated PLC, EMS, and SCADA on a single platform
- Cybersecurity designed in accordance with IEC 62443
- Fully compliant with European grid requirements

High ROI | **Grid-ready** | **Scalable architecture** | **Fast deployment**

Industrial-grade reliability for commercial and industrial applications

Ensuring stable operation and predictable lifecycle through:
• extended battery lifetime
• advanced cell-level monitoring (SOC/SOH)
• liquid cooling system
• robust enclosure protection IP54 (Pack IP67)

High energy efficiency

Optimized BESS architecture minimizing losses across the entire power conversion chain.
• Up to 89% system efficiency
• Up to 98.5% PCS efficiency
Ensuring maximum energy utilization and improved project economics (LCOS)

Advanced integration into modern power systems

Industrial communication interfaces (RS-485, Ethernet, CAN, PROFINET) and a Siemens-compatible control architecture ensure:
• seamless integration with existing grid infrastructure
• advanced energy management capabilities
• access to energy markets and monetization opportunities

Multi-layer safety architecture

Designed to ensure safe operation in all conditions, including:
• three-level fire suppression system based on Siemens Cerberus PRO
• integrated temperature, smoke, and gas detection

DC Data

Cell Specification	LFP
Cell Capacity	314Ah
Battery Configuration	1P52S × 5
Rated Capacity @ BOL	261 kWh @ 25℃ 0.5P
DC Voltage Range	702 - 936 V
Charge/Discharge Ratio	≤ 0.5P
Cooling/Heating Method (Pack)	Liquid Cooling
Cycle Life	8000 Cycles

AC Data

Rated AC Power	125 kW
AC Connection	3P3W
AC Voltage (PCS)	400 V
AC Frequency	50 Hz
Maximum Efficiency System	89%

System Data

Dimensions (W×D×H)	1000 × 1350 × 2300 mm
Weight Approx.	2670 kg
Maximum Working Altitude	2000 m
Operating Temperature	-25°C ~ 50°C
IP Rating	IP54 (Pack IP67)
Fire Safety (Pack)	Aerosol
Display	Touchscreen display (optional)
Communication Interface	RS-485, Ethernet, CAN, PROFINET