

EnerCab 261k

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

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|---|---|
| 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 |

261 kWh
capacity

125 kW
power



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

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|-------------------------------|---------------------|
| Cell Specification | LFP |
| Cell Capacity | 314Ah |
| Battery Configuration | 1P52S × 5 |
| Rated Capacity @ BOL | 261 kWh @ 25°C 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

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

System Data

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|--------------------------|---------------------------------|
| 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 |