

ESS-125/261-3P-N-A

261 kWh Liquid-cooled ESS



Safe and Reliable

- Adopting high-standard automotive-grade design standard to ensure quality and safety.
- Adopting high-quality battery cells from Hithium to ensure safety and efficiency.
- A three-tier management architecture optimizes overall safety performance.
- Adopting multi-level electrical safety protection mechanism to guarantee secure power usage.
- Adopting environmentally friendly flame-retardant materials to minimize the risk of thermal runaway.

High Efficiency

- Temperature difference $\leq 2^{\circ}\text{C}$, extending performance and lifespan.
- Fully integrated liquid cooling technology for enhanced environmental adaptability.
- Cycle life of 8,500 cycles, ensuring higher return on investment over the entire lifecycle.
- High system efficiency with an average comprehensive efficiency of 88%.
- The string architecture eliminates circulating current, maximizing power utilization.
- Rapid power response supports various modes including grid-connected and off-grid operations.

Convenient Operation and Maintenance

- Occupies only 1.3 square meters, enabling flexible layout options.
- Platform-based design facilitates parallel expansion of multiple units.
- Pre-installation and pre-commissioning minimize on-site setup time.
- Refined management with flexible module maintenance methods
- Low center of gravity and a height of 2.2 meters, ensuring safe and convenient transportation.

Smart and User-Friendly

- Local data collection combined with intelligent monitoring enables remote OTA upgrades.
- Intelligent control strategies enhance profitability.

Specifications

Model	ESS-125/261-3P-N-A
Dimension (L×W×H)	1000×1300×2200mm (Ring hanger is not included)
Weight	2500kg±100kg
Series-parallel Mode	1P260S
Nominal Voltage	DC:832V
Rated Capacity	314Ah
Rated energy	261.25kWh
Operating Voltage	DC:650V~949V
Max Current	200A (DC side)
Overall Efficiency	≥88%@25°C±2°C, 0.5P
Cycle Life	≥8500次@25°C±2°C, 0.5P, 70%SOH
IP Grade	IP54

AC grid-connected

Nominal Voltage	AC:400V (-10%~+15%)
Max Current	AC:180A
Rated power	125kW@25°C±2°C
Maximum Sustained Power	137.5kW@25°C±2°C
Rated grid frequency	50Hz/60Hz
Off-grid output THDU	≤3% (linear load)
Nominal Voltage	(3W+N+PE) Three phase four wire

AC off-grid

Max Voltage	AC:400V
Max Current	AC180A
Rated power	125kW@25°C
Rated frequency	50Hz/60Hz

* In case the product size and specifications vary, please refer to the most up-to-date information.