

YOUR SAFE ENERGY

SC261L125-01M 261kWh-125kW
SC261L100-01M 261kWh-100kW

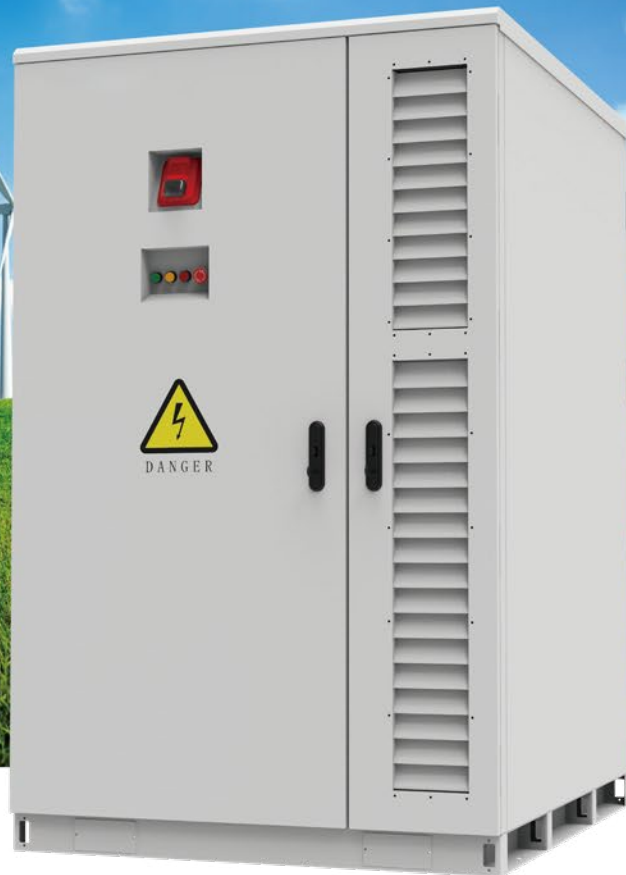


A+ Grade Lithium
Iron Phosphate Cells



15-year Design Lifespan

Liquid-Cooled Battery All-in-One C&I BESS



Features and Advantages

Safety Technology

- A+ grade lithium iron phosphate
- The system is configured with a multi-level fuse protection
- Built-in aerosol fire extinguishing systems at the package and rack levels

More Reliable

- The system is rigorously designed and tested to operate stably under various conditions
- Equipped with protections against overcharge over-discharge, and over-temperature to prevent accidents

Easy to Install and Use

- Highly integrated for ease of transportation, installation and deployment
- Modular design with flexible system capacity configuration

Energy Management System

- Emergency power supply
- Peak shaving
- Demand mitigation
- Self-consumption
- Micro-grids
- Price arbitrage

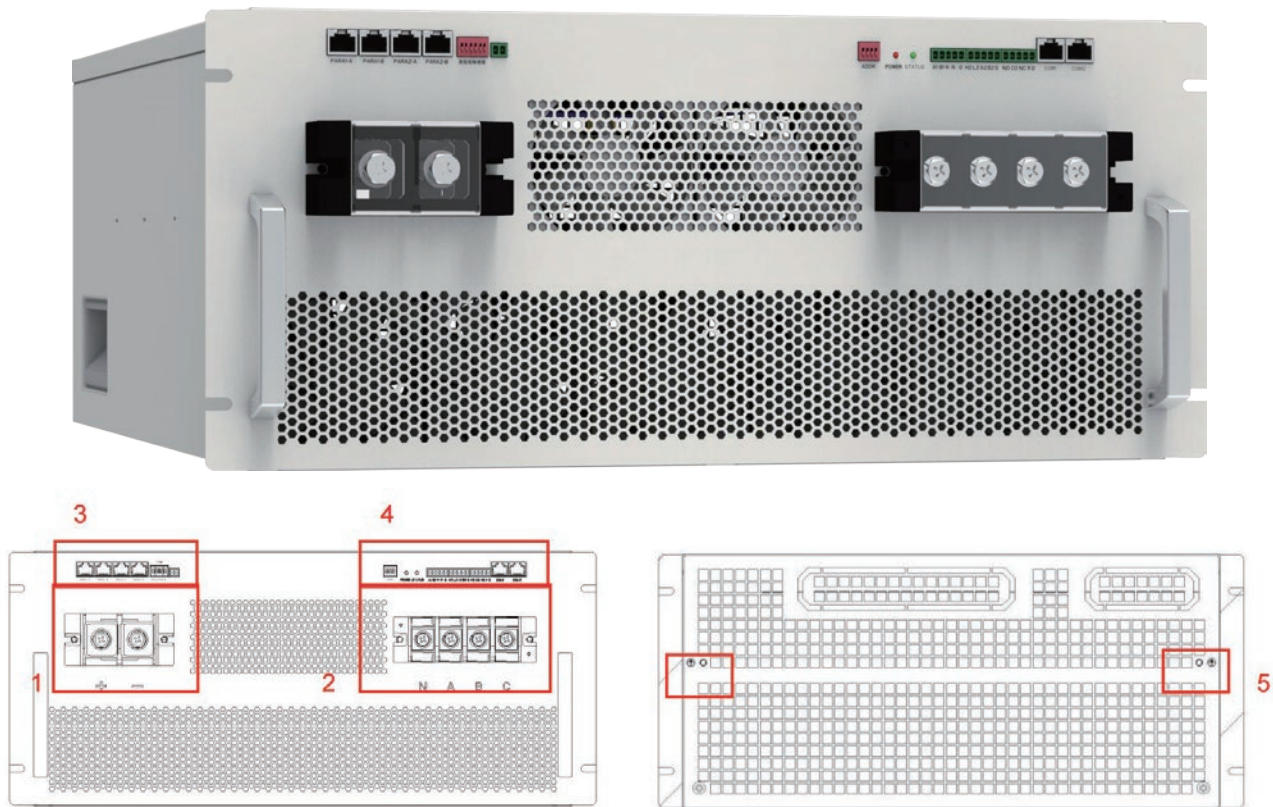
Technical Parameters

Model	SC261L125-01M	SC261L100-01M
Battery Data		
Nominal Energy	261kWh	
Nominal Voltage	832V	
Battery Model	SC52T05-314	
Battery Chemistry	Lithium Iron Phosphate(LiFePO4)	
Cycle Life	≥8,000 cycles(@25°C, 0.5P/0.5P)	
Cell Specification	3.2V 314Ah	
Battery Pack Energy	52.2kWh	
String Configuration	1P260S	
Number of Racks	1	
Operating Voltage	650~949V	
Rated Charging Power	0.5P	
Rated Discharging Power	0.5P	
Safety		
Fire Suppression System	Aerosol fire extinguishing	
PCS Data		
Rated Power	125kW	100kW(Derating of the 125kW PCS)
Please refer to the PCS section for more details.		
General		
Dimensions(W x D x H)	1300 x 1550 x2090mm	
Weight	≤ 2600 kg	
Operating Temperature	-20°C - +55°C	
Storage Temperature	-30°C - +60°C	
Relative Humidity	15%~90%(Non-condensing)	
IP Rating	IP54	
Cooling Method	Liquid cooling(Battery)	
Operating Altitude	≤3000m	
Communication	CAN, RS485, Dry contact	
Compliance	IEC/EN 61000, IEC 62619 UN38.3, MSDS	IEC/EN 61000, IEC 62619 CEI 0-16, CEI 0-21, UN38.3, MSDS

* The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified, the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

* The specifications are subject to change without prior notice.

Power Conversion System



1. DC interface 2. AC interface 3. Parallel interface 4. Signal interface 5. grounding interface

Product Characteristics

- Adopting a three-level topology, the maximum efficiency can reach 99% and the power quality is better.
- Standard rack-mounted modular design, flexible configuration, convenient maintenance, and easy expansion.
- It supports constant current, constant power, MPPT, AC voltage source control, and has a black start function.
- Adopting a standard rack-mounted modular design, it is flexible in configuration, convenient in maintenance, and easy to expand.
- Compatible with three-phase four-wire systems, it can meet both off-grid and grid-connected requirements.
- Adopting patented harmonic suppression technology, it is suitable for diversified scenarios such as industrial parks and microgrids.
- It is suitable for 52s Pack and can meet various battery pack requirements.
- Modular design allows for easy parallel operation, facilitating the formation of 250kW, 500kW, and 1MW multi-cluster management solutions with convenient expansion.

PCS Technical Parameters

Model	LOL125AC-01M
Rated power	125kW
Max. power	137kW
DC operating voltage range	580~1000V (3W+PE) ; 680~1000V (3W+N+PE)
DC side full load voltage range	625~950V (3W+PE) ;680~950V (3W+N+PE)
Max. direct current	200A
Rated AC voltage	400Vac,3W+PE/3W+N+PE
Rated frequency	50/60Hz(±5Hz)
Rated AC current	180A
Overload capacity	110%, normal operation; 120%, 1 minute
Current distortion	< 3% (rated power)
Power Factor Adjustment Range	-1 leading to +1 lagging
Max. efficiency	98.2%
Dimensions (W * D * H)	566(Mounting lug 650 not included)*680*245mm
Weight (approx.)	68kg
Isolation Mode	No isolation
Anti-corrosion grade	C3
Application environment protection level	Module built into outdoor cabinet IP55
Ingress Protection	IP20
Ambient temperature	-30°C to +60°C (derate above 45°C)
Relative humidity	0 to 95% (no condensation)
Cooling mode	Intelligent air-cooled
Noise	<70dB
Altitude	3000m (> 3000m reduction, Not recommended for use at altitudes above 4000m)
Communication interface	RS485/CAN2.0/Dry contact