

SC261L125P-01M 261kWh-125kW



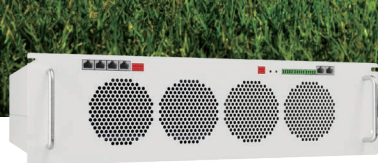
A+ Grade Lithium
Iron Phosphate Cells



15-year Design Lifespan

Version:V1.0

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

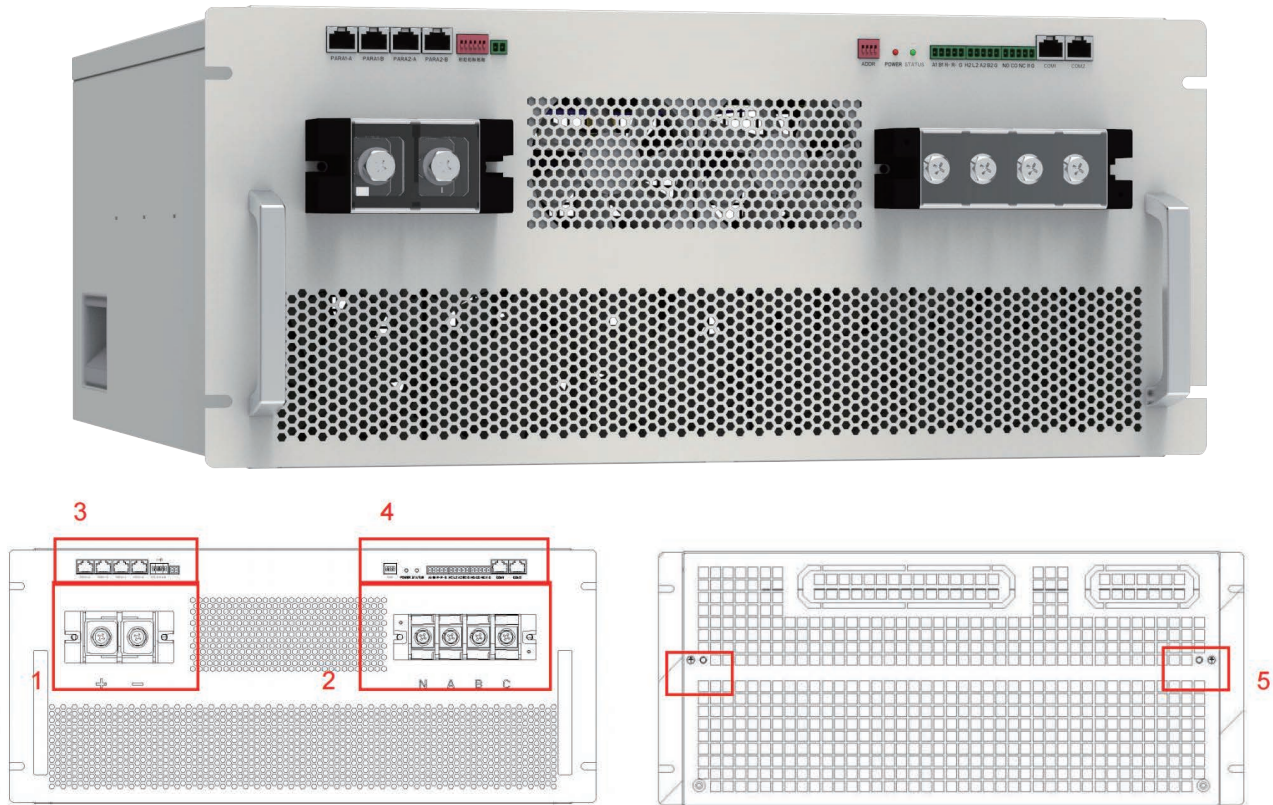
System Technical Parameters

Model	SC261L125P-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
Please refer to the PCS section for more details.	
PV Data	
Rated Power	120kW(Two Monet-60DC units)
Please refer to the DC/DC section for more details.	
General	
Dimensions(W x D x H)	1600 x 1550 x2090mm
Weight	≤ 2470kg
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

* 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

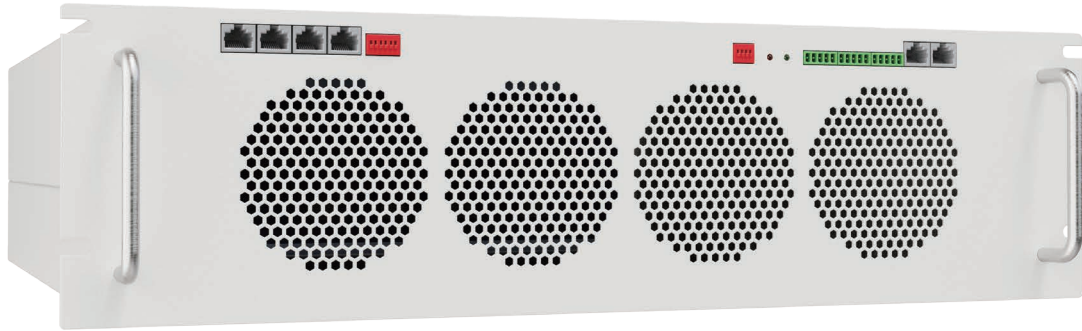
● Product Characteristics

- 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

DC/DC Power Module



● Product Characteristics

- Adopting a three-level topology, the maximum efficiency can reach 98.5%, and the power quality is better.
- Supinterfaces constant current, constant power, MPPT, AC voltage source control.
- Standard rack-mounted modular design, flexible configuration, convenient maintenance, and easy expansion.
- Ultra-wide voltage range, suitable for a variety of photovoltaic panels, flexible battery configuration.
- Compatible with various batteries including lithium/lead acid/photovoltaic modules/DC bus.

DC/DC Technical Parameters

Model	Monet-60DC	
Rated power	60kW	
Maximum power	66kW	
Maximum DC voltage	1000V	
	High voltage side	Low voltage side
Operating Voltage range	250V~950V	200V~900V
Full load Voltage range	545-950V	375-900V
Maximum DC current	110A	160A
Number of MPPT channels	1	2
Access type	Photovoltaic/ lithium battery/ lead-acid/ flow battery/ DC bus/ DC load, etc.	
Charging mode	According to BMS instructions/three-phase/MPPT	
Working mode	Constant current, constant power, constant voltage, MPPT	
Maximum efficiency	98.8%	
Dimensions (W * D * H)	566(Excluding mounting of lug 520)* 600 * 150mm	
Weight (approx.)	35kg	
Isolation Mode	Non-isolation	
Protection level	IP20	
Operating temperature	-25°C to +60°C (with derating at temperatures above 45°C)	
Relative humidity	0 ~ 95% (no condensation)	
Cooling mode	Intelligent air-cooled	
Noise	< 70dB	
Altitude	3000m (> 3000m reduction)	
Communication interface	Communication interface	

