BSLBATT®
Best Solution Lithium Battery

ESS-GRID LC125-261

Liquid Cooling C&I Energy Storage Solution



125kW / 261kWh

The BSLBATT ESS-GRID LC125-261 commercial and industrial energy storage system utilizes advanced liquid cooling technology for higher energy storage and conversion efficiency. It features multi-level protection (IP55) and liquid thermal management for enhanced system safety. This commercial and industrial product is specifically designed for grid-connected peak-shaving and valley-shifting applications, and its wide voltage range (1000V) ensures seamless integration with a variety of commercial applications.

More Than 8000 Cycles, EOL > 70%

Intelligent control, remote operation, and maintenance

High-energy-density system integration

IP55 protection level outdoor use

Model	ESS-GRID LC125-261
Battery Parameters	
Rated Capacity	314Ah
Rated Energy	261.2kWh
Battery Type	LiFePO4
PACK Configuration	1P52S
PACK Quantity	1P52S*5S
Rated Voltage	832.0V
Battery Voltage Range	728.0V~923.0V
Rated Charge/Discharge Current	157A
Charging Temperature Range	0℃~55℃
Discharge Temperature Range	-20℃~55℃
AC Parameters (PCS)	
Rated Power	125kW
Maximum Power	137kW
Rated Voltage	400Vac, 3W+PE/3W+N+PE
Rated Frequency	50/60Hz (±5Hz)
Rated Current	180A
Overload Capacity	110%, Normal Operation; 120%, 1 Minute
Current Distortion	THDI <3% (Rated Power)
Power Factor	-1 Overrun ~ +1 Lag
DC Parameters (PCS)	
Rated Power	125kW
Operating Voltage Range	625~927V (3P3W) / 680~927V (3P4W)
Maximum DC Current	200A
General Parameters	
Operating Temperature	-20℃ to 55℃ (Derated for >45℃)
Operating Humidity	10% ~ 90% RH (No Condensation)
Protection Level	IP55
Display	Display & Control All-in-One (Touch Screen)
Cooling Method	PACK Liquid Cooling + PCS Air Cooling
Noise	80dB
Altitude	3000m
Fire Protection	Thermal Aerosol Extinguishing Unit
Communication	RS485 / CAN / Ethernet
Dimensions (W*D*H,mm)	1063*1300*2280 (±5)
Weight	2300kg±3%

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