

ESS-BATT Cubicon Series

The Ultimate Battery Solution for Large-scale Applications



ESS-BATT Cubicon Series battery system is engineered to meet the vast energy demands of industrial and commercial enterprises. As the most powerful model in BSLBATT's acclaimed ESS-GRID series, the system offers unmatched energy storage capacity, ensuring a reliable and continuous supply of power for demanding applications.



Huge energy capacity



Advanced LFP technology



Modularity and scalability



Intelligent temperature control system



10-year warranty



IP54 safety protection

Item	General Parameter		
	ESS-BATT-96C	ESS-BATT-103C	ESS-BATT-110C
Model			
Series and Parallel	16S1P*14=224S1P	16S1P*15=240S1P	16S1P*16=256S1P
Cooling Method	Air-cooling		
Rated Capacity	135Ah		
Rated Voltage	DC716.8V	DC768V	DC819.2V
Operating Voltage Range	560V~817.6V	600V~876V	640V~934.64V
Voltage Range	627.2V~795.2V	627.2V~852V	716.8V~908.8V
Cell Capacity	96.76kWh	103.68kWh	110.59kWh
Rated Charge Current	135A		
Rated Discharge Current	135A		
Peak Current	200A(25°C, SOC50%, 1min)		
Protection Level	IP54		
Firefighting Configuration	Pack level + Aerosol		
Discharge Temp.	-20°C~55°C		
Charge Temp.	0°C~55°C		
Storage Temp.	0°C~35°C		
Cycle Life	> 6000 Cycles (80% DOD @25°C 0.5C)		
Dimension(mm)	1350*900*1800(±10)		
Weight(With Batteries Approx.)	1085Kg	1135Kg	1185Kg
Dimension(W*H*D mm)	149.1*79.22*102.67		
Weight	2.61±0.15kg		
Operating Temp.	-20°C~55°C		
Communication Protocol	CAN/RS485 ModBus/TCP/IP/RJ45		
Noise Level	< 65dB		
Functions	Pre-charge, Over-Less Voltage/Over-Less Temperature Protection, Cells Balancing/SOC-SOH Calculation etc.		

Note: The above models are typical configurations, and can also be used for micro-grid and other scenarios with optional photovoltaic charging modules, switching modules, industrial frequency transformers and other components, integrated optical storage, and integrated system cabinets.