



ESS- Cabinet Series

Large-scale Applications

ESS-CAB Series battery system is engineered to meet the vast energy demands of industrial and commercial enterprises. This system offers huge energy storage capacity, ensuring a reliable and continuous supply of power for Mission Critical and demanding applications.



Huge energy capacity



Advanced LFP technology



Modularity and scalability



Smart temperature management system



10-year warranty



IP54 protection grade

Item	General Parameter		
Model	PMS-CAB-96.7	PMS-CAB-103.7	PMS-CAB-110.6
Series and Parallel	supported	supported	supported
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)	1150*1100*2300(±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.