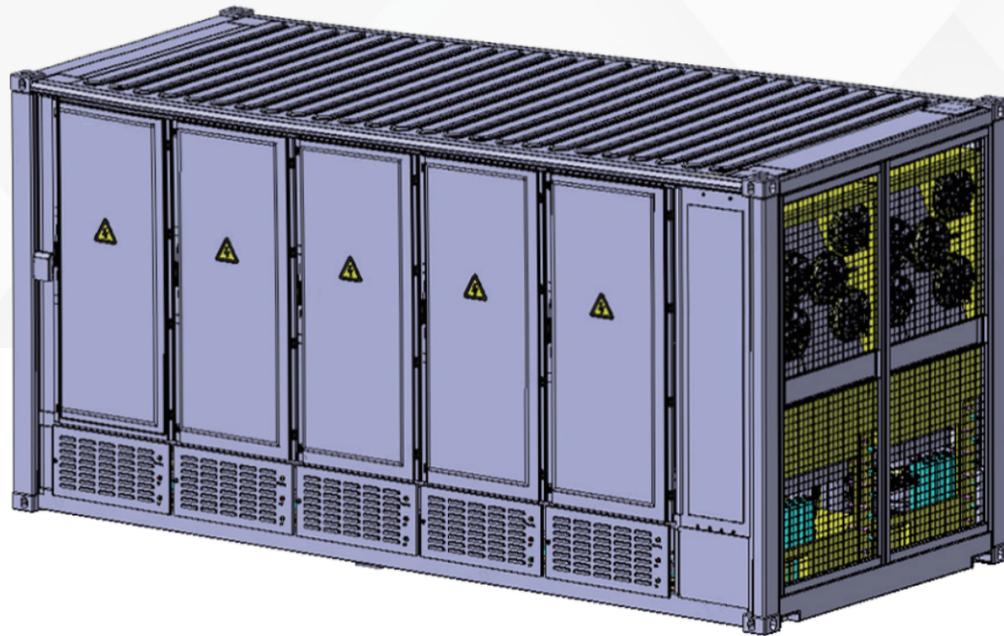


Liquid-Cooled ESS Cabinet



Liquid-cooled energy storage battery container is an integrated high-density energy system, Consisting of battery rack system, battery management system (BMS) and a fire extinguishing system (FSS), HVAC thermal management system and auxiliary power distribution system.



Composition Of Liquid-Cooled ESS Cabinet

System	Sub Components	Number	Remark
Battery Racks	20 Feet Container	1	2896mm(H)*2462mm(W)*6058mm(D)
	Battery Modules	80	With CSC
BMS	Master Control Box	1	Including IMM, MBMU, ETH, Fiber Conversion Module
	Main Control Box	10	Including SBMU, fuse, isolation switch and so on
HVAC	Cooling Unit	2	Including compressor, pump, fan, heater and others
FSS	Fire Suppression Control Panel	1	
	Smoke Detector	10	
	Gas Detector	10	
	Aerosol	10	
Power Supply	Distribution Box	1	Auxiliary power supply system

PRODUCT SPECIFICATION

Product Type		LFP Battery Bank	
NO.	Item	Specification	
1	Configuration	10P416S	
2	Rated Energy	3727.36kWh	
3	Rated Voltage	1331.2VDC	
4	Voltage Range	1164.8~1497.6VDC	
0.5P System			
5	Charging Current (0.5P)	Rated Maximum	1400A 1600A
6	Charging Power (0.5P)	Rated	1863.68kW
7	Discharging Current (0.5P)	Rated Maximum	1400A 1600A
8	Discharging Power (0.5P)	Rated	1863.68kW
9	Auxiliary Power Supply (0.5P)	Voltage Range Power	3AC 380V~480V Max. 36.2 kW
1P System			
10	Charging Current (1P)	Rated Maximum	2800A 3200A
11	Discharging Current (0.5P)	Rated Maximum	2800A 3200A
12	Charging Power (1P)	Rated	3727.36kW
13	Discharging Power (1P)	Rated	3727.36kW
14	Auxiliary Power Supply (1P)	Voltage Range Power	3AC 380V~480V Max. 56.2 kW
15	Operating Ambient Temperature	Charge Discharge	-25°C~55°C -25°C~55°C
16	Environment Condition	Storage Temperature Application Altitude Size Weight IP Level	-40°C~60°C ≤4000m 2896mm(H)*2462mm(W)*6058mm(D) ~35t IP55
17	General Parameters	Cooling Mode Communication Agreement Power Connection Communication Connection Aux Power Connection Coolant	Liquid Cooling CAN, RS485, TCP/IP Cable lug: 6 x M12 Fast plug Terminal 50% Ethylene glycol aqueous solution
18	Fulfill Standard	Cell Container	UN38.3/UL1973/IEC62619/UL9540A UL1973/UL9540A