

Liquid Cooling Energy Storage Cabinet



PRODUCT FEATURES



Flexible Deployment
Modular energy cabinet, flexible expansion, IP55 to meet a variety of outdoor application scenarios



High Level of Safety
Multi-safety design & multi-protection assurance
Pre-alarm system, ensure system safety
Eligible for NFPA855, UL9540, UL9540A, GB standards



Ultra-long Life
High capacity and long battery cycle life, efficient active balancing system, 20 years of system designed life



Efficient Management
High-efficiency liquid cooling system, system temperature difference $\leq 3^{\circ}\text{C}$

PRODUCT PARAMETERS

Battery Rated Capacity	280Ah	314Ah	320Ah
Electrical	DC Rated Voltage		
	1331.2V		
	Maximum Charge/Discharge Rate		
Performance & Safety	0.5CC/0.5CD	0.5CC/0.5CD	0.25CC/0.25CD
	DC Rated Energy		
	372.7kWh	417.9kWh	425.9kWh
General Data (Combined BESS)	DC Round Trip Efficiency @ Rated Power		
	$\geq 94\%$		
	Battery Chemistry		
	LFP		
	Calendar Life		
Software	20 years		
	Fire Suppression		
	Aerosol + water		
	Cooling Concept of Battery Chamber		
Battery Rated Capacity	Liquid cooling		
	Codes & Compliance		
	UL9540/CE/IEC		
	Weight (Approximate)		
Performance & Safety	3.5T	3.7T	3.7T
	Enclosure Dimensions (W*H*D)		
	1350x2350x1400mm		
	Enclosure Rating		
General Data (Combined BESS)	IP55		
	Operating Temperature Range		
	$-30^{\circ}\text{C}\sim 55^{\circ}\text{C}$		
	Communication Interfaces		
Software	RS485, CAN, LAN		
	Communication Protocols		
Battery Rated Capacity	ModBus TCP/ModBus RTU/CAN		

*The data in this table is for reference only, and the actual product shipped shall prevail

Liquid Cooling All-in-one Cabinet



PRODUCT FEATURES



Flexible Deployment
Small footprint and flexible layout



Efficient Management
Refined thermal management, the system temperature difference $\leq 3^{\circ}\text{C}$
Refined thermal management, the system temperature difference $< 3^{\circ}\text{C}$
The overall system efficiency $> 88\%$



High Level of Safety
IP67 protection for PACK, IP55 protection for outdoor cabinet
Excellent fire alarm, fire extinguishing and explosion control system



Intelligent management
Real-time status monitoring and fault recording to achieve fault warning and fault location



Ultimate Integration
Modular design, easy to transport and maintain
Integrated system design, pre-installation and pre-commissioning, reducing on-site work

PRODUCT PARAMETERS

Electrical	Battery Rated Capacity	280Ah	314Ah	320Ah	AC	Rated Power	100kW
	DC Rated Voltage	832V				Max. Power	110kW
	Maximum Charge/Discharge Rate	0.5CC/0.5CD	0.5CC/0.5CD	0.25CC/0.25CD		Rated Voltage	400/480Vac
Performance & Safety	DC Rated Energy	232.9kWh	261.2kWh	266.2kWh		Rate Frequency	50/60Hz
	DC Round Trip Efficiency @ Rated Power	≥94%				Power Factor	-1~1
	Battery Chemistry	LFP				Output Mode	3W+N+PE
	Calendar Life	20 years					
	Fire Suppression	Aerosol + water					
	Cooling Concept of Battery Chamber	Liquid cooling					
	Codes & Compliance	UL9540/CE/IEC					
General Data (Combined BESS)	Weight (Approximate)	2.9T	3T	3T			
	Enclosure Dimensions (W*H*D)	1000x2400x1350mm					
	Enclosure Rating	IP55					
Soft-ware	Operating Temperature Range	-30°C~55°C					
	Communication Interfaces	RS485, CAN, LAN					
	Communication Protocols	Modbus TCP/Modbus RTU/CAN					

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Industrial And Commercial Outdoor Cabinet



PRODUCT FEATURES



Flexible Deployment

Modular structure, flexible combination, Plug-and-Play
Higher energy design, less space usage
IP54 protection level with flexible applications



Ultimate Integration

3S combination and control integration
CTP technology, all in one integration
AC&DC temperature differentiated management



High Level Of Safety

Multi-safety design & multi-protection assurance
Pre-alarm system, ensure system safety
Eligible for NFPA855, UL9540, UL9540A, GB standards



Ultra Long Life

High capacity and long battery cycle life, efficient active balancing system
15 years of system designed life



Intelligent Operation

Modular design, convenient operation & flexible maintenance
Digital technology, remote collaboration & intelligent monitoring



Emergency Standby

AB configuration optional, off-grid and grid-connected flexible
Emergency green power supply, improve power quality

PRODUCT PARAMETERS

Electrical	Battery Rated Capacity	250Ah	AC Grid-connected Parameters	Rated Output Power	100kVA
	DC Rated Voltage	739.2V~950.4V		Rated Current	150A
	Maximum Charge/Discharge Rate	0.5C		Maximum Current	160A
Performance & Safety	DC Rated Energy	211kWh	AC Grid-connected Parameters	Rated Grid Voltage	400Vac, 3W+N+PE
	DC Round Trip Efficiency @ Rated Power	≥93%		Output Voltage Frequency	50Hz
	Battery Chemistry	LFP		Power Factor Range	-1~+1
	Calendar Life	20 years		Total Harmonic Distortion of Grid-connected Current	<3% (Rated Condition, Resistively Balanced Load)
	Fire Suppression	Gas			
General Data (Combined BESS)	Cooling Concept of Battery Chamber	Air cooling	AC Grid-connected Parameters		
	Codes & Compliance	UL9540/UL9540A/CE/IEC/KC/KBIA			
	Weight (Approximate)	2.5T			
	Enclosure Dimensions (W*H*D)	1600*2330*1200mm			
	Enclosure Rating	IP54			
Software	Operating Temperature Range	-20°C~55°C	AC Grid-connected Parameters		
	Communication Interfaces	RS485, CAN, LAN, 4G			
	Communication Protocols	ModBus TCP/ModBus RTU/CAN			

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