

# 20ft Liquid Cooling Energy Storage System

## PRODUCT FEATURES



### More Secure

Detects slight leakage of electrolyte and coolant within.  
Automatic fire suppression triggered at PACK level



### More Reliable

Reliable dual liquid cooling system that backups each other



### Flexible Deployment

Factory preassembly, short lead time  
Low installation and commissioning cost



### Ultra Long Life

System cycles more than 10,000 times  
Intelligent liquid cooling ensures the system temperature varies between 5°C



### Intelligent Operation

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

## PRODUCT PARAMETERS

Battery Rated Capacity		280Ah	280Ah	314Ah	320Ah
Electrical	DC Rated Voltage	1331.2V			
	Maximum Charge/Discharge Rate	1CC/1CD	0.5CC/0.5CD	0.5CC/0.5CD	0.25CC/0.25CD
	DC Rated Energy	3.72MWh	3.72MWh	5.01MWh	5.11MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	92%	≥94%		
	Battery Chemistry	LFP			
	Calendar Life	20 years			
	Fire Suppression	Gas+ water			
	Cooling Concept of Battery Chamber	Liquid cooling			
General Data (Combined BESS)	Codes & Compliance	UL9540/UL9540A/CE/IEC/KC/KBIA			
	Weight (Approximate)	36T	35T	45T	45T
	Enclosure Dimensions (W*H*D)	6058*2896*2438mm			
	Enclosure Rating	IP54			
Software	Operating Temperature Range	-30°C~55°C			
	Communication Interfaces	CAN,RS485,Ethernet			
	Communication Protocols	CAN,Modbus RTU,Modbus TCP/IP			

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

# 20ft Preamsembled Joint Energy Storage System

## PRODUCT FEATURES



### 1500V High Voltage System

High energy density, low auxiliary consumption  
Efficient cost control, low comprehensive cost



### 100% Preamsembled Shipping

Factory preassembly &testing,  
Plug-and-Play  
Short lead time, low installation  
&commissioning cost



### Non-walk-in Design

High space utilization, zone 4 aseismic design  
Comply with NFPA standard



### Safe and Reliable

Lithium-iron battery with Long cycle life  
High system safety with UL9540 & 9540A  
certificates



### Intelligent Operation

Modular design, convenient operation &flexi-  
ble maintenance  
Digital technology, remote collaboration  
&intelligent monitoring

## PRODUCT PARAMETERS

Battery Rated Capacity		160Ah	200Ah	250Ah
Electrical	DC Rated Voltage	1152V	1152V	1152V
	Maximum Charge/Discharge Rate	2C	1C	0.5C/1C
	DC Rated Energy	3.0MWh	3.6MWh	4.6MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	≥93%		
	Battery Chemistry	LFP		
	Calendar Life	20 years		
	Fire Suppression	Gas+Water Pipe		
	Cooling Concept of Battery Chamber	Air cooling		
General Data (Combined BESS)	Codes & Compliance	UL9540/UL9540A/CE/IEC/KC/KBIA		
	Weight (Approximate)	46T	48T	50T
	Enclosure Dimensions (W*H*D)	12192*2896*2438 mm		
	Enclosure Rating	IP54		
Software	Operating Temperature Range	-20~55°C		
	Communication Interfaces	CAN,RS485,Ethernet		
	Communication Protocols	CAN,Modbus RTU,Modbus TCP/IP		

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# 40ft Energy Storage System

## PRODUCT FEATURES



### 1000V High Voltage System

High energy density, low auxiliary consumption  
Efficient cost control, low comprehensive cost



### 100% Preassembled Shipping

Factory preassembly, low transportation costs  
Modular assembly, short commissioning cycles



### Intelligent Operation

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



### High-efficient Integration

Standardized design, high reliability  
Constantly upgrading system, efficient integration



### Safe and Reliable

Lithium-iron battery with Long cycle life  
High system safety with UL9540 & 9540A certificates

## PRODUCT PARAMETERS

Battery Rated Capacity		250Ah
Electrical	DC Rated Voltage	768V
	Maximum Charge/Discharge Rate	0.5C/1C
	DC Rated Energy	3.45MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	≥93%
	Battery Chemistry	LFP
	Calendar Life	20 years
	Fire Suppression	Gas + (water options)
	Cooling Concept of Battery Chamber	Air cooling
	Codes & Compliance	UL9540/UL9540A/CE/IEC/KC/KBIA
General Data (Combined BESS)	Weight (Approximate)	43T
	Enclosure Dimensions (W*H*D)	12192*2896*2438mm
	Enclosure Rating	IP54
	Operating Temperature Range	-20~55°C
Software	Communication Interfaces	CAN,RS485,Ethernet
	Communication Protocols	CAN,Modbus RTU,Modbus TCP/IP

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# 40ft Non-Walk-In Energy Storage System

## PRODUCT FEATURES



### 1500V High Voltage System

High energy density, low auxiliary consumption  
Efficient cost control, low comprehensive cost



### 100% Preassembled Shipping

Plug-and-Play, short lead time  
Factory testing, low commissioning cost



### Non-walk-in Design

High space utilization, zone 4 aseismic design  
Comply with NFPA standard



### Safe and Reliable

Lithium-iron battery with Long cycle life  
High system safety with UL9540 & 9540A certificates



### Flexible Deployment

Factory preassembly, short lead time, low commissioning cost



### Intelligent Operation

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

## PRODUCT PARAMETERS

Battery Rated Capacity		250Ah
Electrical	DC Rated Voltage	1152V
	Maximum Charge/Discharge Rate	0.5C/1C
	DC Rated Energy	5.18MWh
Performance & Safety	DC Round Trip Efficiency @ Rated Power	≥93%
	Battery Chemistry	LFP
	Calendar Life	20 years
	Fire Suppression	Gas + (water options)
	Cooling Concept of Battery Chamber	Air cooling
	Codes & Compliance	UL9540/UL9540A/CE/IEC/KC/KBIA
General Data (Combined BESS)	Weight (Approximate)	63T
	Enclosure Dimensions (W*H*D)	12192*2896*2438mm
	Enclosure Rating	IP54
	Operating Temperature Range	-20~55°C
Software	Communication Interfaces	CAN,RS485,Ethernet
	Communication Protocols	CAN,Modbus RTU,Modbus TCP/IP

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