

Liquid-cooled Energy Storage Container



+ Advantages

High-performance PCS

- Multilevel topology
- Modular design scheme
- Precise charge-discharge control, up to 99% conversion efficiency
- Accurately manage each cluster of batteries to improve charge-discharge capacity and life

Stable battery system

- LFP battery
- Solid-state batteries
- >6000 cycles

High reliability

- Protection level IP55
- Efficient heat management system

Multi-scenario application

- Industrial and commercial energy storage
- Peak shaving, demand-side response
- Dynamic power expansion
- Integrated design, easy to expand

Specifications	YLBESSLC-625kW-1205kWh
Battery	
Cell type	Lithium Iron Phosphate 3.2V/314Ah
Battery Pack	48.2kWh/1P48S
Battery system configuration	1P240S
Battery system capacity	241.15kWh
Battery rated voltage	768V DC
Battery voltage range	624~876V DC
Charge and discharge rate	0.5C
Number of charge and discharge cycles	> 6000 times (25°C 0.5C charge and discharge 80% DOD)
AC parameters	
Rated power	625kW
Max. power	687.5kW (10min) 750kW (1min)
Rated voltage	3*230V/400V
Allowable grid voltage range	400V±15%
Frequency	50/60Hz
Frequency range	47Hz~52Hz/56Hz~62Hz
Current total harmonic distortion	≤3%(at rated power)
DC component	<0.5%output rated current
Access method	3P+N+PE
Power factor	>0.99
Power factor range	1 (leading) ~-1 (lagging)
Off-grid operation	Support
Efficiency	
PCS maximum efficiency	98.80%
Max. system efficiency	88.00%
Protection	
DC input reverse polarity protection	Yes
AC input reverse connection adaptive	Yes
Insulation resistance detection	Yes
AC overcurrent protection	Yes
AC overvoltage protection	Yes
AC short circuit protection	Yes
Grid side surge protection	Yes
Automatic switching when power grid is abnormal	Yes
Low voltage ride through	Yes
High voltage ride through	Yes
Communication	
Communication interface	RS232/RS485/WiFi/4G/Ethernet
Human-computer interaction	Touch screen/indicator/APP
System	
Rated charge and discharge power	625kW
Energy storage system capacity	1205kWh
Weight	16.5t
Dimensions (W*D*H)	3000*2300*2600mm
Protection level	IP55
Noise	<75dB
Operating temperature	-25°C~+50°C (derate above 40°C)
Storage temperature	-25°C~+55°C
Relative humidity	5%-95%no condensation
Fire protection	perfluorohexanone
Working altitude	≤4000m (over 2000m, derating is required)
Cooling method	Air conditioning intelligent liquid cooling