

PowerCore Liquid-cooling Energy Storage Container



Superb safety

- Triple fire protection measures guarantee early detection, accurate spraying, and rapid fire suppression throughout the entire process.
- Big data intelligent fire monitoring system features panoramic surveillance and fire risk warning; risks spotted in advance, and rapid response taken across the system.



High economic efficiency

- 314Ah/315Ah LFP cells with high energy density and prolonged cycle life realize a cost reduction per kWh of 30%.
- 5MWh in one 20ft container; side-by-side arrangement; saving over 40% of the project area.



Increasing flexibility

- Flexible system topology for various scenarios, including the power generation side, grid side, and user side.
- Modular design enables flexible capacity and configuration.

Product Model	PowerCore
Cell parameters	
Cell type	LFP
Cell capacity	314Ah/315Ah
Pack parameters	
Cell configuration	1P104S
Pack rated voltage	332.8V
Pack rated energy	104.499kWh/104.832kWh
Rack parameters	
Rack battery configuration	1P416S
Pack qty	4
Rack rated energy	417.996kWh/419.328kWh
System parameters	
System battery configuration	12P416S
Rated energy (BOL) at DC side	5015kWh
System output voltage range	1164.8Vdc~1476.8Vdc
Rate for charging and discharging	≤0.5P
Dimensions (W*H*D)	20ft (6058mm * 2896mm * 2438mm)
Weight	43t
Level of protection	IP55
Anti-corrosion grade	C4
Operating ambient humidity	0%~95% (non-condensing)
Operating ambient temperature	-20°C~55°C
Max. operating altitude	4000m
Cooling method	Liquid-cooling
Fire protection	Aerosol + combustible gas detection + ventilation + water extinguishing system
Communication interface	LAN
Communication protocol	Modbus TCP
Certification	IEC62619, IEC63056, IEC62477, EN61000, UL1973, UL9540A, UN38.3