

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

- 315 Ah LFP cells with high energy density and prolonged cycle life realize a cost reduction per kWh of 30%.
- 5 MWh 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	315 Ah
Pack parameters	
Cell configuration	1P104S
Pack rated voltage	332.8 V
Pack rated energy	104.832 kWh
Rack parameters	
Rack battery configuration	1P416S
Pack qty	4
Rack rated energy	419.328 kWh
System parameters	
System battery configuration	12P416S
Rated energy (BOL) at DC side	5031 kWh
System output voltage range	1040 Vdc~1500 Vdc
Rate for charging and discharging	≤0.5 P
Dimensions (W*H*D)	20ft (6058 mm * 2896 mm * 2438 mm)
Weight	≤ 44000 kg
Level of protection	IP55
Anti-corrosion grade	C4
Operating humidity range	0%~95% (non-condensing)
Operating temperature range	-30 °C~55 °C (derated when the operating temperature is over 45 °C)
Max. operating altitude	4000 m (derated when the operating altitude is over 2000 m)
Cooling method	Liquid-cooling
Fire protection	Aerosol + temperature detector + smoke detector + audible and visual alarm + fire water system
Communication interface	LAN
Communication protocol	Modbus TCP
Certification	IEC62619, IEC63056, IEC62477, EN61000, UL1973, UL9540A, KC, UN38.3

*Subject to actual delivery