

- Smart liquid-cooling temperature control technology, multi-stage variable diameter pipeline design, online leakage smart detection, temperature difference ≤ 3"C, improve battery cycle life by 20%;
- Online insulation monitoring, four-level circuit breaker protection mechanism, new three-level BMS architecture, to achieve the whole process of system protection and monitoring management;
- Adopt very early thermal runaway risk warning management design concept, PACK-level combustible gas detection, linkage protection with BMS and EMS, PACK-level targeted fire-extinguishing, more accurateprotection;
- Suitable for heat, wind sand and other harsh environment, ensuring the safety and reliability of the power station.

■ Simple:

- Non-walk-in 20-foot standard container with prefabricated modular design, supporting side-by-side layout, reducing the floor space by 20%;
- Highly integrated design meets the requirements of sea and land transportation standards without installation and debugging on site; energy density is increased by 13%, and the average cost of auxiliary equipment is reduced by 30%; transportation and installation costs are reduced by 45%.

■ Smart:

- Massive data cloud display and management and smart balancing strategy ensure the consistency of the battery life cycle;
- Smart operation and maintenance system calculate the safety of the system, and automatically evaluate the remote operation and maintenance work according to the safety.



Technical Parameters

Type	Name		Parameters	Remarks
Battery parameters	Cell type		LFP-3.2V-280Ah	
	Rated capacity[kWh]		3727.36	P2,@25°C±3°C
	Nominal voltage[V]		1331	
	Voltage range[v]		1165 ~ 1497.6	
	Charge and discharge ratio		≤0.5CP	
	Max. charging and discharging power[kW]		1800	
	Operating temperature	Charging[°C]	0 ~ 50	
		Discharging[°C]	-20 ~ 55	
	Recommended ambient temperature[°C]		25±10	
	Cycle life		≥6000times	25±10°C, P2, 90%DOD,80%EO
	Cooling method		Liquid cooling	Liquid cooling medium: water + glycol
System parameters	BMS		Level 3	
	Auxiliary electrical parameter		~36kW-400V/50Hz	~3N+PE
	Fire protection system		Perfluorohexanone + water fire protection	Type S aerosol/HFC-227ea optional
	Anticorrosive level		C3 (C4\C5 optional)	
	Lightning protection level		Level II	
	Ingress protection		IP55	
	Operating temperature range [°C]		-20 ~ +50	>45°C derating
	Storage temperature[°C]		-20 ~ +55	SOC@30%~40%,<6months
	Operating humidity range		0 ~ 95%RH	No condensation
	Installation mode		Installation mode	
	Working condition		Max. 2 charge and 2 discharge per day	
	System communication interface		CAN/Ethernet/RS485	
	External system communication protocol		Modbus TCP	
	Altitude[m]		≤3000	
	Dimension (D*W*H) [mm]		6058*2438*2896	20 feet
	Weight[T]		~35	
Certificate	GB/T 36276、GB/T 34131、UL 1973、UL 9540A、IEC 62619、UN 38.3			

[■] Product continues to iterate, specifications may be updated without prior notice.