

HoyPrime Battery Container



Applications: Utility-scale BESS; Solar + Storage

Cost-effective and Efficient

Intelligent liquid-cooling to reduce auxiliary power consumption and extend the lifespan for enhanced economic benefits. The non-walk-in design provides higher energy density in a more compact space

Safe and Reliable

Multi-layer insulation for enhanced safety, a three-level short-circuit protection system to minimize risks, and a comprehensive three-level fire protection system for swift suppression of thermal runaway

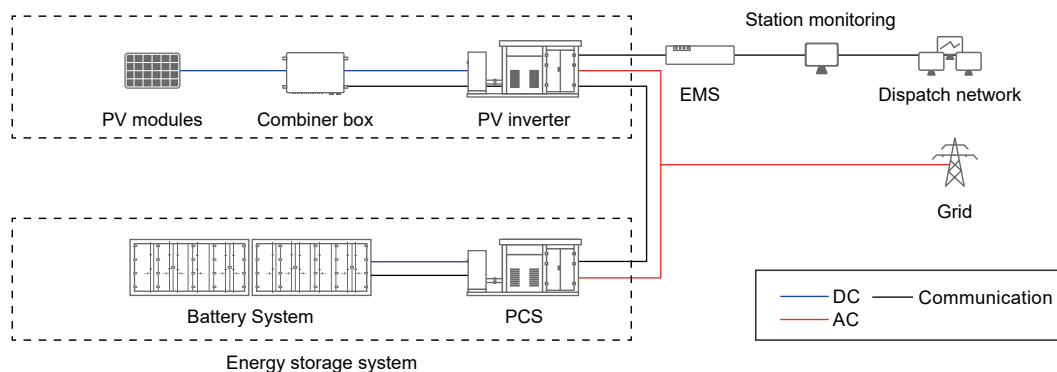
Smart and Friendly

Monitoring cell status comprehensively, offering early warnings for potential issues. High-level protection ensures adaptability to diverse extreme environments. Standardize external interfaces to streamline on-site installation processes.

Easy Maintenance

Automatically replenish coolant, report faults, and calibrate SOC without manual intervention or system downtime for maintenance.

System Diagram



DC Side		
Battery Type	LFP	
Configuration	10P384S	
Rated Capacity (Ah)	2800	
Battery Capacity (BOL) at DC side (KWh)	3440	
Nominal DC Voltage (V)	1228.8	
Nominal AC Power (MW)	1.72	
Rated Charge/Discharge Rate	0.5C	
Operating Voltage Range (V)	1075.2~1382.4	
Standard Charge/Discharge Current (A)	1400/1400	
Cooling Mode	Liquid cooling	
Coolant	Ethylene glycol: aqueous solution (50% v: 50% v)	
Fire Extinguisher	NOVEC1230/FM200(optional)	
Fire Safety Equipment	Smoke,heat & flammable gas detector	
Battery System		
Operating Temperature Range (°C)	-20 ~ 50 (>45°C derating)	
Storage Temperature (long term) (°C)	-30°C ~ 60°C	
Noise (dB)	< 80	
Dimensions (W*D*H)(mm)	20 [#] (single container)	
Weight (T)	32	
Anti-corrosion	C3/C4/C5 (optional)	
IP Rating	Battery compartment : IP55 Electrical compartment: IP54	
Relative Humidity	0-95% (no condensation)	
Standard Altitude (m)	≤ 2000 (>2000 derating)	
Communication Interface	CAN, Ethernet, RS485	
Communication Protocol	ModbusTCP/RTU, IEC61850 , Goose	
Compliance	BMS	GB/T34131-2017; UL60730
	Battery	GB/T36276-2018; IEC62619; UL1973; UL9540A