

HoyPrime Battery Container



✓ 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

Technical Specifications

DC side

Battery Type	LFP (Lithium Iron Phosphate)
Configuration	10P384S
Battery Capacity (BOL) at DC side (kWh)	3440
Nominal DC Voltage (V)	1228.8
Rated Charge (Discharge) Rate	0.5C
Operating Voltage Range (V)	1075.2-1382.4
Standard Charge (Discharge) Current (A)	1400
Cooling Mode	Liquid cooling
Coolant	Ethylene Glycol: Aqueous Solution (50%v: 50%v)
Fire Extinguisher	NOVEC1230/ FM200 (optional) ; water fire fighting
Fire Safety Equipment	Smoke, heat & flammable gas detector

Battery System

Operating Temperature Range (°C)	-30°C ~ 50°C (> 45°C derating)
Noise (dB)	<80
Dimensions(W*D*H) (mm)	6058 * 2438 * 2896
Weight (T)	32
Anti-corrosion	C4/C5 (optional)
IP Rating	Battery Compartment: IP54/IP55 (optional) Electrical Compartment: IP54
Relative Humidity	0-95% (non-condensing)
Standard Altitude (m)	≤ 2000 (>2000 derating)
Communication Interface	CAN, Ethernet, RS485
Communication Protocol	ModbusTCP/RTU

Compliance

BMS	GB/T34131-2017; UL60730
Battery	GB/T36276-2018; IEC62619; UL1973; UL9540A

