



HoyCore Outdoor Battery System



Efficient and Flexible

Utilizing intelligent liquid cooling to minimize power consumption and extend system life. Enhanced scalability with seamless stack additions.



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 rapid thermal runaway suppression.



Intelligent and User-friendly

Advanced big data management continuously monitors cell status, offering real-time predictions and warnings to identify potential issues early.



Easy Maintenance

Automatic rehydration eliminates manual intervention. Fault reporting and SOC calibration to eliminate the need for frequent inspections and operational shutdowns.

Technical Specifications

DC side	
Battery Type	LFP (Lithium Iron Phosphate)
Configuration	1P384S
Rated Capacity (Ah)	280
Battery Capacity (BOL) (kWh)	344
Rated Voltage (V)	1228.8
Rated Charge (Discharge) Rate	0.5C
Operating Voltage Range (V)	1075.2 to 1382.4
Standard Charge (Discharge) Current (A)	140
Cooling Mode	Liquid Cooling
Coolant	Ethylene Glycol: Aqueous Solution (50%v: 50%v)
Fire Suppression System	NOVEC1230 (Perfluorohexanone)
Fire Safety Equipment	Somke Detector, Temperature Detector, Flammable Gas Detector

Compliance	
BMS	GB/T 34131-2017, IEC/UL 60730
Battery	GB/T 36276-2018, IEC 62619, UL 1973, UL 9540A