

HoyCore Outdoor Battery System



Technical Specifications

DC side

Battery Type	LFP (Lithium Iron Phosphate)
Configuration	1P384S
Rated Capacity (Ah)	280
Battery Capacity (BOL) at DC side (kWh)	344
Rated Voltage (V)	1228.8
Rated Charge (Discharge) Rate	0.5C
Operating Voltage Range (V)	1075.2~1382.4
Standard Charge (Discharge) Current (A)	140
Cooling Mode	Liquid cooling
Coolant	Ethylene Glycol: Aqueous Solution (50%v: 50%v)
Fire Extinguisher	NOVEC1230
Fire Safety Equipment	Smoke, heat & flammable gas detector

Compliance

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



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 swift suppression of thermal runaway



Intelligent and User-friendly

Leveraging big data management, cell status is comprehensively monitored, offering early warnings for potential issues.



Easy Maintenance

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