

Product Features



Low LCOS

Save footprint and on-site workload

Smart liquid cooling system enables the optimal performance of cell throughout the lifecycle, expanding the longevity of battery system

Thermal control strategies adapting to various operating conditions reduce auxiliary power consumption and save costs



Safe and Reliable

Digital modeling technologies ensure AI analysis throughout cell's lifecycle, achieving early warning of cell safety

Multi-dimensional intelligent sensing system monitors cell, electrical and structural safety status, safeguarding active safety management of system

Multi-level electrical protection and fire suppression design



Highly Integrated

Up to 5MWh capacity, 34.5% increase in energy density

Integrated design of battery pack, TMS, FPS and control system, significantly reducing BESS footprint and improving construction efficiency

Single-side opening design enables flexible installation to optimize space utilization and save O&M workload



Efficient and Flexible

Precise battery state algorithm guides battery rack operation for power scheduling, improving power station's RTE by 2%

Support a variety of capacity selection schemes to meet different customer capacity needs



HYPERBLOCK III

DC VERSION

LIQUID-COOLING ENERGY STORAGE SYSTEM



Renewable Smoothing
- Power generation side



Frequency Regulation
- Grid transmission side



Energy Arbitrage
- User side

HYPERBLOCK III

DC VERSION

TECHNICAL SPECIFICATIONS

Model

HSL3C7001-05015

DC Side

Battery Type	LFP-314Ah
Configuration	12P416S
Rated Energy (kWh)	5015.96
Rated Voltage (V_{dc})	1331.2
Voltage Range (V_{dc})	1123.2~1497.6
Rated Power (kW)	2500

General Parameters

Dimensions (W*D*H)	6058*2438*2896mm
Weight (kg)	42000
IP Rating	Pack-IP65 / PDU-IP65 / Container-IP55
Operating Humidity	0~95%RH (Non-condensing)
Operating Temperature (°C)	-30~55°C
Altitude (m)	≤2000 (optional 3000)
Auxiliary Power Supply	400Vac 50Hz/480Vac 60Hz
Communication Interface	Ethernet, RS485
Cooling Method	Smart Liquid Cooling
Fire Suppression System	Temperature sensing, smoke sensing, combustible gas detection, cabin-level aerosols (electric starting), ventilation system, water fire protection

Certifications

UN38.3, IEC61000, IEC62933-5-2, IEC62619, IEC60730, IEC63056, IEC62477, UL9540A, UL9540, UL1973, NFPA855, NFPA68, NFPA69, UN3536