

Product Features



Ultra-high Flexibility

1, 2, 4, 8 blocks can be configured arbitrarily
Supports "side by side, back to back" parallel arrangement
24 tons module, supports maritime, land, and railway transportation
Flexible supplement, low replacement cost



Ultimate Safety

Comprehensive safety protection design, to achieve full coverage of all scenarios
AI-based technology enables thermal runaway early warning 7 days in advance
The maximum thermal runaway loss reduced from 20HC to 10HC



Minimal Maintenance

Provide AI-based intelligent platform, conduct more than 10 types of O&M work online and offline
The O&M work assistant HyperGenie is constructed to realize intelligent guidance functions, reducing the difficulty and workload on site



Mega-efficient

RTE \geq 94%@2h, RTE \geq 96%@4h
Liquid-cooled TMS, intelligent control strategy decreasing 20% energy consumption



Long Lifecycle

>10000 cycles @SoH 70%, 0.5P
Full-time balancing technology, improving lifecycle discharge capacity by more than 2%
Intelligent TMS and dynamic temperature control algorithm realize the reliable guarantee of battery life



HYPERBLOCK M

DC VERSION

HyperBlock M is derived from the brand-new **MagicBlock** platform. We bring customers Mega-efficient, ultimate safety, ultra-flexible, low LCOS, and extremely simple ESS solutions through a new Utility-scale storage product platform and AI.



Renewable Smoothing



Frequency Regulation



Energy Arbitrage

HYPERBLOCK M

DC VERSION

TECHNICAL SPECIFICATIONS

Product Model

HSL3H0U-12523

HSL3G0U-12800

System Parameter

Battery Type	LFP-588Ah	LFP-601Ah
Duration	2h	4h
Configuration	16P416S	16P416S
Rated Energy	12.523MWh	12.8MWh
Rated Voltage	1331.2 V _{dc}	
Operating Voltage Range	1123.2~1497.6 V _{dc}	
Dimension (W*D*H)(mm)	12664*2438*2896	
Weight (kg)	≤24,000@Single 10HC Block	
Block Quantity (pcs)	4 ¹⁾	
IP Rating	Container-IP55, Pack-IP65, PDU-IP55	
Operating Humidity	0~95%RH (Non-condensing)	
Operating Temperature	-30°C~55°C	
Altitude	≤2000m (optional 3000m)	
Auxiliary Power Supply	400V _{ac} 50Hz / 480V _{ac} 60Hz	
Communication Interface	Ethernet, RS485	
Cooling Method	Smart liquid cooling	
Fire Suppression system	Combustible gas detection, temperature sensor, smoke detection, ventilation system, cabin-level aerosols, deflagration venting panels, water-based fire protection ²⁾	
Certifications	EN61000, IEC62619, IEC60730, IEC62477, IEC62933, UL9540A, ULI973, UL9540, NFPA855/68/69, UN38.3	

Notes

1. A quantity of 4 represents the standard configuration. Other available options include 3, 5, 6, and more.
2. Cabin-level aerosols, deflagration venting panels and water-based fire protection are optional.
3. The specifications provided in the table above are for reference only and shall not be binding unless expressly included in a definitive agreement. HyperStrong reserves the right to modify its products or technical data without prior notice.
4. For detailed technical information, as well as project-specific solutions tailored to your needs, please contact HyperStrong.