

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



Mega-efficient

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



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



Long Lifecycle

$>10000\text{cls} @ \text{SOH}70\%$, 0.5P, to achieve up to 20 years of operation life guarantee
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



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



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

HSL3901-06251

HSL3901-12502

System Parameter

Battery Type	LFP-587 Ah	
Duration	2h	
Configuration	8P416S	16P416S
Rated Energy	6.251 MWh	12.502 MWh
Rated Voltage	1331.2 V _{dc}	
Operating Voltage Range	1123.2~1497.6 V _{dc}	
Dimension (W*D*H)(mm)	6058*2438*2896	12192*2438*2896
Weight (kg)	≤24,000@Single 10HC	
Container Quantity (unit)	2	4
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, cabin level aerosols, ventilation system, deflagration venting panels, water fire protection	
Certifications	EN61000, IEC62619, IEC60730, IEC62477, IEC62933, UL9540A, ULI973, UL9540, NFPA855/68/69, UN38.3	