

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 $\geq 93\%$ @4h, 690Vac
New self-developed SIC PCS with max 98.9% efficiency
Dual-channel liquid-cooled TMS for batteries and PCS, decreasing 20% energy consumption



Long Lifecycle

$>10000\text{cIs}@SOH70\%$, 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



Grid-friendly ESS

Support Grid-forming, Grid-following, Black-start and islanding protection, etc



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 loss is controlled within 10HC, reducing the loss by 50% compared with 20HC



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

AC 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

AC VERSION

TECHNICAL SPECIFICATIONS

Product Model

HSL3G71-06400**HSL3G71-12800**

DC Side

Battery Type	LFP-601Ah	
Duration	4h	
Configuration	8P4I6S	16P4I6S
Rated Energy	6.4 MWh	12.8 MWh
Rated Voltage	1331.2 V _{dc}	
Operating Voltage Range	1123.2~1497.6 V _{dc}	

AC Side

Rated AC Power	400kW*4	400kW*8
Rated AC Voltage	690 V _{ac}	
Termination (LV)	335A*3 Phase*4	335A*3 Phase*8
Rated Frequency	50Hz/60Hz	

System Parameter

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, deflagration venting panels, water fire protection

Certifications EN61000, IEC62619, IEC60730, IEC62477, IEC62933, UL9540A, UL1973, UL9540, NFPA855/68/69, UN38.3, EN50549, G99, VDE4110, VDE4120, UL1741, IEEE1547