HYPER STRONG

Product Features

Ultimate Safety

AI-based, always-on safety system providing 1–7 days early warning of potential thermal runaway under typical operating conditions – protecting your assets with foresight

Optimized Design

Cold-core thermal control – "Absolute Zero" cooling concept – delivers up to 40% lower auxiliary power consumption, significantly reducing thermal risk

An integrated "Prediction-Decision-Evolution-Self-Healing" intelligent architecture enables a holistic leap in system intelligence - from hardware to software, operation to maintenance, and prediction to profit

End-to-end APP-based commissioning and O&M allow complete control in the palm of your hand

More Value

AI-driven optimization - maximizing usable energy, efficiency, and stability throughout the system lifecycle

Cell-level balancing - AI predicts imbalance trends and triggers targeted equalization, enabling up to 25% longer battery lifetime and up to 50% higher O&M efficiency (vs. conventional C&I systems)

High Flexibility

All-scenario compatibility for grid-connected, off-grid, hybrid, and microgrid applications

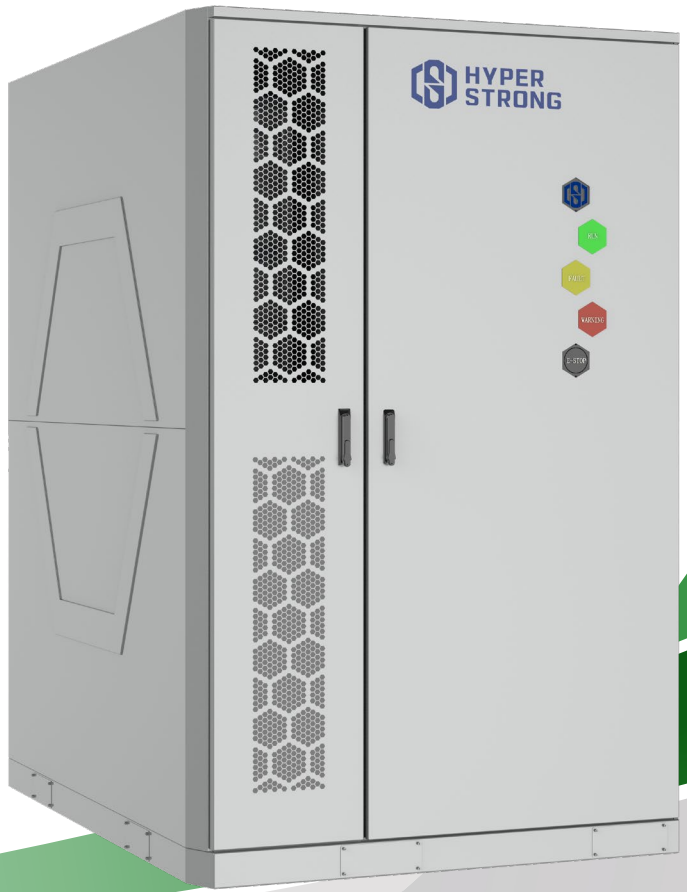
Series-wide grid-forming capability – enhancing regional power stability and supporting reliable energy supply

Oilfields

EV Charging Stations

Renewable Energy + Energy Storage

Energy-Intensive Industries



HYPERCUBEC&I II MAX

LIQUID-COOLING OUTDOOR CABINET

HYPERCUBEC&I II MAX

TECHNICAL SPECIFICATIONS

Model	AC System	DC System
System Parameters		
Dimensions (W*H*D)	1450*2400*2400±5mm	
Weight	7380kg±30kg	7000kg±30kg
Protection Level	IP54 (battery pack IP67)	
Design Life	15 years	
Power Factor	-1~+1	/
Rated C-rate	0.5 P/0.25P	
Total Harmonic Distortion	≤ 2%	
Fire Suppression Method	Aerosol + Water Spray System, optional pack-level Perfluorohexanone	
Fire Detection	Multi-functional detector (smoke, temperature, CO, VOC)	
Total Battery Energy	836kWh	
Battery Type	LFP-314Ah	
AC Connection Type	A/B/C/N/PE	/
Overload Capacity	1.1x continuous, 1.2x ≤ 10min	
Charge/Discharge Depth	95%	
Rated Power	250kW (400Vac) 430kW (690Vac) 250kW (800Vac)	/
Rated Voltage	400Vac/690 Vac (-15%~+15%)	1331.2Vdc
Rated Frequency	50/60Hz	/
Max Discharge Efficiency	≥91%	≥94%
Thermal Management	Intelligent Liquid Cooling	
Charge/Discharge Switching Time	≤ 20ms	/
System Cycle Life	≥ 6000 cycles @ EOL capacity 80%	
Power Control Accuracy	≤ 2%	/
DC Component	≤ 0.5%	/
Cell Configuration	416S2P	
Operating Environment		
Operating Altitude	< 4000 m (power derating above 2000 m)	
Humidity Range	0–95% RH (non-condensing)	
Operating temperature	-25°C to +55°C (power derating above 45°C)	
Other Features		
Noise Level	≤ 65dB	
Network Interface	LAN, RS-485, CAN	
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0	
Certifications	IEC 60730, IEC 61000-6-2, IEC 61000-6-4, IEC 62619, IEC 63056, IEC 62477, IEC 62040, UN 38.3, EN 50549-1&2&10, VDE-AR-N 4105&4110	IEC 62619, IEC 63056, IEC 60730, IEC 61000-6-2, IEC 61000-6-4, UN 38.3