

Product Features



Intrinsic Safety

Multi-dimensional fire protection integrating detection, prevention, venting, and suppression; comprehensive AI-powered intelligent safeguarding with early warnings up to 7 days in advance to protect your assets



Oilfields



EV Charging
Stations



Renewable Energy
+ Energy Storage



Energy-Intensive
Industries



Intelligent Operation

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



Value Empowerment

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

AI predicts imbalance trends and triggers precise equalization, extending battery life by up to 25%, reducing auxiliary power consumption by 40%, and increasing operation and maintenance efficiency by up to 50%.



Flexibility & Reliability

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

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



HYPERCUBEC&I II MAX

FULLY LIQUID-COOLED OUTDOOR CABINET

HYPERCUBEC&I II MAX

TECHNICAL SPECIFICATIONS

Model

HSL3C7B31-0836-EU
HSL3C7B41-0836-EU
HSL3C7B51-0836-EU

HSL3C7001-0836-EU

System Parameters

Dimensions (W*H*D)	1450*2400*2400±5mm	
Weight	8100kg±30kg	7800kg±30kg
Protection Level	IP20 (liquid-cooling room)/IP55 (battery room & electric room)/IP65 (battery pack)	
Design Life	15 years	
Power Factor	-1~+1	/
Rated C-rate	0.5P/0.25P	
Total Harmonic Distortion	≤3%	
Fire Suppression Method	Aerosol + Water Spray System/Optional pack-level Perfluorohexanone	
Fire Detection	Multi-functional detector (smoke, temperature, CO, VOC)	
Total Battery Energy	835.9kWh	
Battery Type	LFP-314Ah	
AC Connection Type	400V _{ac} ABCN PE 690V _{ac} & 800V _{ac} ABC PE	/
Overload Capacity	1.1x continuous, 1.2x ≤10min	
Charge/Discharge Depth	Rated 95% (can be configured)	
Rated Power	210kVA (400V _{ac})/432kVA (690V _{ac} /800V _{ac})	0.5CP
Rated Voltage	400 V _{ac} / 690V _{ac} / 800V _{ac} (-15%~+10%)	1331.2V _{dc}
Rated Frequency	50/60Hz	/
Max RTE	≥91%	≥94.5%
Thermal Management	Intelligent Liquid Cooling	
Charge/Discharge Switching Time	≤30ms	/
System Cycle Life	≥6000 cycles @ EOL capacity 80%	
Power Control Accuracy	≤2%	/
DC Component	≤0.5%	/
Cell Configuration	416S2P	

Operating Environment

Operating Altitude	<3000m (derating above 2000 m)
Humidity Range	0-95% RH (non-condensing)
Operating temperature	-25°C to +55°C (derating above 45°C)

Other Features

Noise Level	≤65 dB (≤55 dB with noise reduction accessories)	
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 62933, UL 9540A, NFPA 69	IEC 62619, IEC 63056, IEC 60730, IEC 61000-6-2, IEC 61000-6-4, UN 38.3, IEC 62933, UL 9540A, NFPA 69