

Product Features



Inherently Safe

AI intelligent early warning;

Comprehensive three-dimensional fire protection with multiple safeguards: detection, prevention, venting, and extinguishing



Smart and Efficient

High-efficiency energy conversion, maximum efficiency 91%;

Plug and play, side-by-side installation, up to 20 units in parallel;

Reserved for various handling and installation interfaces, efficient deployment.



Long-lasting Service

Using Darwin's self-evolving algorithm, system temperature difference $\leq 3^{\circ}\text{C}$, performance life >12 years;

Fearless of extreme environments such as severe cold, high salt spray, high temperature, high wind and sand.



Smart Operation

HyperCloud Web/APP real-time monitoring, AI algorithm optimization strategy, expanding profit;

Near-field, remote wireless control, one-click upgrade, fingertip scheduling, remote O&M.



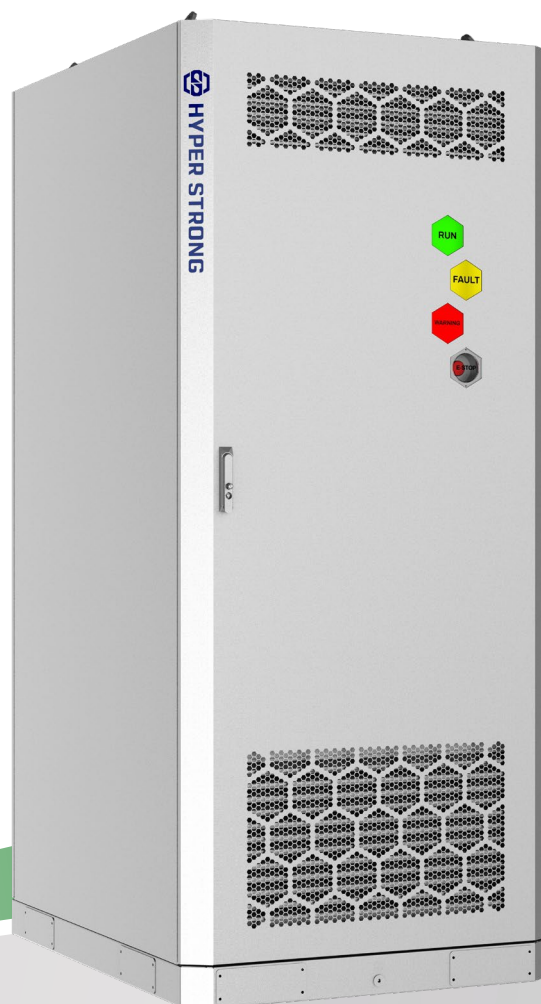
Commercial & industrial, micro grid



Data center



Frequency regulation and peak shaving



HYPERCUBE II

LIQUID-COOLING OUTDOOR CABINET

HYPERCUBE II

TECHNICAL SPECIFICATIONS

Model

HSL2C2912-0232-EU

DC Side

Battery Type	LFP-280Ah
Configuration	1P260S
Rated Energy (kWh)	232.9
Rated Voltage (V_{dc})	832
Operating Voltage Range (V_{dc})	754-923 (adjustable by DOD range)

AC Side

Rated AC Power (kVA)	115
Rated AC Voltage (V_{ac})	400 $\pm$ 15%
Power Factor	1.0 lagging ~1.0 leading
Rated Frequency (Hz)	50/60
Maximum efficiency	91%

General Parameters

Dimensions (W*D*H)	1030*1350*2400mm ($\pm$ 5mm)
Weight (kg)	2600 $\pm$ 30
IP Rating	IP54-Cabinet, IP55-Battery room
Operating Humidity	0~95%RH (non-condensing)
Operating Temperature	-25~55°C (>45°C derating)
Altitude (m)	$\leq$ 4000 (>2000m derating)
Communication Interface	CAN/Ethernet/RS485
Cooling Method	Smart Liquid Cooling
Fire Suppression System	Temperature sensing, smoke sensing, combustible gas detection, cabin level aerosols (thermosensitive starting), ventilation system, water fire protection
Certifications	IEC 61000, IEC 62619, IEC 63056, IEC 60730, IEC 62477, IEC 62040, UN38.3, UL9540A