Industrial microgrid-tied Energy storage system specifications

- Thermal power plant & new energy station
- Utility-scale and grid-side
- Frequency regulation and peak shaving

Liquid-cooling Energy Storage System

Features

Low LCOS

- Energy density 30% higher and less area occupied
- Discharge capacity increase by 20% throughout entire life cycle
- Intelligent liquid cooling system reduces auxiliary power consumption by 20%

Battery Longevity

- Multi-stage, diameter-varying and liquid cooling design, with temperature difference no more than 3°C, battery life extended by 20%
- Optimize battery scheduling algorithm, dynamically allocating power and reducing battery attenuation

Safe and Reliable

- IP67 double-layer, flame-retardant and explosion-proof design
- Center symmetrical layout design, with independent fire-protecting compartments
- Over 150 sensing points realize intelligent early warning and diagnosis, supporting very early detection at modular level
- Certifications include UN38.3, CE, IEC 62619, IEC 61000, IEC 62477, IEC 63056, UL1973, UL 9540a, UL9540, NFPA855

UN38.3

Environment Adaptation

- Whole equipment at IP55 rating, battery pack at IP67 rating, with strong weather resistance
- Modular design, high transportability and low requirements for hoisting
- Optional kits for high environmental adaptability

Smart and Efficient

- Full-time health monitor and diagnosis, with very early warning function
- Cloud-based health status assessment and dynamic adjustment of energy efficiency management strategies
- Big-data and AI-assisted early warning analysis enable auxiliary engineering commissioning and rapid delivery
- Fault response suggestions facilitate on-site operation and maintenance inspection

Model	Hyper-Cube
Battery	LFP-280Ah
Configuration	10*1P416S
Rated energy	3.727 MWh
Output voltage	1040-1500Vdc
Dimensionn (W*D*H)	6058*2438*2896mm
Weight	≤38T
IP rating	IP55

Industrial microgrid-tied Energy storage system specifications

- Commercial and industrial & microgrid
- Liquid-cooling BESS
- Distributed PV/Charging Station

Liquid-cooling Outdoor Cabinet

Features

Ultimate Safety

- Battery pack of IP67 rating
- Double-layer, flame-retardant and explosion-proof design
- Certfications include UN38.3, CE, IEC62619, IEC 61000, IEC 62477, IEC 63056, UL1973, UL 9540a

Intelligence & Efficiency

- All-in-One modular design and fast response support multiple modes such as virtual power plant, grid -connection and off-grid
- Intelligent balancing strategy and AI early warning ensure the consistency of battery's life cycle
- Core components such as battery packs designed on the same platform with standardized interface, ensure efficient production and testing

Flexible to Deploy

- IP55 rating of whole equipment, C4 anti-corrosion level, meeting outdoor application requirements
- Standardized interface and flexible access, plug and play
- Modular design and parallel connection, easy to expand
- Different power and voltage range, adaptable to various scenarios

Easy O&M

- 100% FAT test, high-quality delivery, with less on-site installation and commissioning time
- Real-time leakage monitor and intelligent refill reduce on-site O&M work
- Lower requirements reduce onsite engineering work, with shorter recovery time
- Cloud-empowered early warning supports remote monitoring

Model	Hyper-AIO	
Battery	LFP-280Ah	
Configuration	1P416S	1P260S
Rated energy	372.7kWh	232.92kWh
Output voltage	1040-1500Vdc	380Vac/400Vac (Standard)
Dimension (W*D*H)	1300*1343*2340mm	1300*1343*2200mm
Weight	3.6t	2.6t
IP rating	IP55	

Industrial microgrid-tied Energy storage system specifications

Residential ESS can reduce user electricity costs, and be used as emergency backup power source to enhance the reliability of residential power supply. In addition, it assists the grid in balancing power generation capacity with load demand.

Battery System

- Modular design, easy installation
- Smart O&M
- Flexible and scalable configuration
- Uninterrupted power supply

Model	Hyper-LV-10-B0-EU/US	Hyper-HV-20-B0-EU/US
Battery energy	10.24kWh	20.48kWh
Max. charge/discharge power	5kW	10kW
Dimension (W*D*H)	725*236*1045mm	725*236*1775mm
Weight	140±8kg	262±14kg

UN38.3

PV Hybrid Storage System

- Indoor/outdoor multiple application scenarios
- More income earned
- Mobile and smart management

Model	Hyper-1P-5/10-H0-EU	Hyper-3P-10/20-H0-EU	Hyper-SP-7.6/15-H0-US
Battery energy	10.24kWh	20.48kWh	15.36kWh
Max. charge/discharge power	5kW	10kW	7.6kW
Dimension (W*D*H)	725*236*1495mm	725*236*2045mm	725*236*1410mm
Weight	160±6kg	274±10kg	217±10kg
Max. efficiency		> 97.5%	