

Open Energy For All



Hoymiles Power Electronics Inc. (688032.SH), founded in 2012, is a world-leading provider of PV and energy storage solutions. We are committed to providing users with full-scenario PV and energy storage solutions such as DIY, household, C&I, and large-scale power plants, echoing our motto "Open Energy For All".

2012

Established

1600+

Global Employees

190+

Countries and Regions with Coverage of the Product

300+

Global Patents and Software Copyrights

31%+

R&D Personnel

Tier 1

BNEF 2025 Q1 Global Energy Storage Manufacturer

With proven technology and an expert team, Hoymiles empowers owners and professionals to embrace Open Energy—driving a cleaner, sustainable future

Global Presence



4 Regional Headquarters

Hangzhou, China
Frankfurt, Germany
Dallas, USA
Bangkok, Thailand

5 Local Storage Centers

Hangzhou, China
Eindhoven, Netherlands
Los Angeles, USA
Monterrey, Mexico
Maceió, Brazil

4 Manufacturing Bases

Plant in Hangzhou
Microinverter, micro-storage, RSD, household PCS
Plant in Lishui
BESS
Plant in Haining
String inverter
C&I energy storage PCS
Grid-side PCS
Plant in Mexico
Microinverter



For More Hoymiles News
Please kindly follow the official WeChat account

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New-Generation Fully Liquid Cooling C&I Energy Storage Solutions

Smart Energy Storage for the Future
All-Round Protection

HoyUltra 2



Core Features



High Efficiency and Reliability

Fully Liquid Cooling Architecture, Balanced and Efficient

The PCS and PACK feature full liquid cooling, maintaining cell-to-cell and IGBT temperature differences below 2°C.

High System Round-trip Efficiency, Efficient Operation

Achieves 90.3% max round-trip efficiency (88.4% rated), with full-power operation at 50°C and 2000m altitude.



Smart and User-Friendly

Cloud-Edge Collaboration for Refined Operation

Hoymiles EMS 'cloud + edge' system enables intelligent energy storage operation through real-time monitoring, cloud-based fault alerts, automated dispatch, and tariff management—helping C&I users maximize efficiency and reduce costs.



All-Round Adaptability

Ultra-Low Noise and Long-term Protection

The ultra-quiet cabinet (60 dB) meets strict noise and high-temperature demands in commercial complexes, hotels, hospitals, and factories. With IP55 protection (IP65 for PCS), C4 corrosion resistance, and specialized anti-weather coating, it ensures 15+ years of reliable operation in harsh conditions, including high salt spray environments.

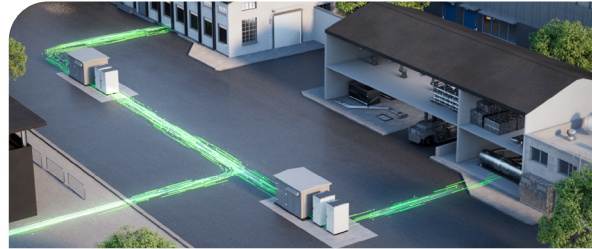


Comprehensive Safety

3-Level, 6-Layer Safety Protection Full-Lifecycle Safety Guardrails

HESS-261 integrates a triple-layer safety system (active/passive/ultimate) with six protections: cloud-based early warning, PACK fire suppression, exhaust linkage, explosion relief, cabin suppression, and water fireproofing. This end-to-end solution ensures 24/7 threat detection, control, and extinguishing for rapid response in all scenarios.

Application Scenarios



Storage-Only | PV-Storage Combined

Small and Medium-sized C&I
Large-Scale Zero-Carbon Park
VPP
Distributed Energy Storage



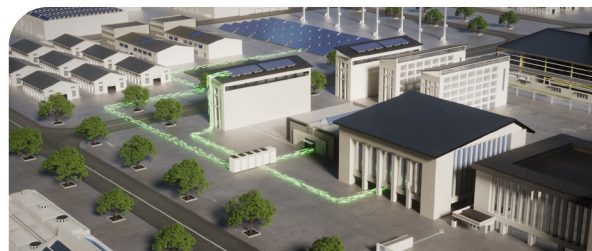
PV-ES-Charging Coupling

PV, Energy Storage, and Charging Power Plant



Microgrid

Park Microgrid
Island Microgrid
Solar-Storage-Generator Microgrid



Emergency Backup Power

Base Station
Industrial Production
Special Medical Equipment

Technical Specifications

*The product is expected to be launched by the end of May.

HoyUltra 2 Series

Model		HESS-261-2h
DC Side		
Cell type	LFP3.2V / 314 Ah	
Pack Configuration	1P52S / 52.25 kWh	
System Configuration	1P260S	
Battery Voltage Range	728-936 VDC	
Nominal Battery Energy	261 kWh	
Temperature Detection	Battery cell+Module+ Positive and Negative terminals	
AC Side (On-Grid)		
Rated Output Power	125 kW (@50°C)	
Maximum Output Power	137.5 kW	
Rated Grid Voltage Range	340-440 VAC	
Rated Grid Frequency	50/60 Hz, ±5 Hz	
THDi	< 3% (@rated power)	
Grid Type	3P3W / 3P4W	
AC Side (Off-Grid)		
Rated Output Power	125 kW (@50°C)	
Rated Output Voltage Range	340-440VAC	
Rated Grid Frequency	50/60Hz	
THDu	< 3% (Linear load)	
DC Injection	< 1% U _n (Balanced linear load)	
Efficiency		
Rated Round-trip Efficiency	≥ 88.4%	
Maximum Round-trip Efficiency	90.3%	
Overload		
Overload Capacity	Operate for a long time at 1.1 times (137.5kW@45°C), Operate for no less than 1 minutes at 1.2 times the rated load	
General Data		
Dimensions (W × H × D)	1030 × 2450 × 1400mm	
Weight	< 2700kg	
Operating Temperature	-30°C to +55°C (> 50°C, derating operation)	
Operating Humidity	0-100% RH (non-condensing)	
Altitude	≤ 2000 m (Optional ≤ 4000 m)	
IP Rating	IP55	
Cooling Method	Fully liquid cooling (PCS + Battery)	
Noise	70dB (Optional 60dB)	
Rated Charge/Discharge Rate	≤ 0.5P	
Fire Suppression System	NOVEC1230 + PACK-level fire protection+Water fire protection+Interlocked exhaust ventilation+Pressure relief (Optional)	
AC Inlet Method	Front bottom inlet	
Display and Communication		
Communication Interface	RS485, Ethernet, DIO	
Communication Protocol	MODBUS-RTU, MODBUS-TCP, DL/T645	
Cloud Services	Default S-Miles APP (Support third-party cloud platforms)	