HEXON ESS

EOS

All-in-One C&I Energy Storage System

HESS-125-261   (125kW/261kWh)

Color options available
White   Space Gray

Comprehensive Safety

Proactive Alert Cell-level monitoring, early warning

Multi-Level Protection Pack, cluster, cabin isolation

Fire & Explosion Prevention Triple fire protection, vent design

High Efficiency

High Conversion System efficiency ≥87%

AI-Powered Scheduling Optimized energy dispatch

Maximized ROI Peak shaving & other revenue streams

Simple O&M

Cloud Diagnosis Fault identification in seconds

Remote Management Cloud-based monitoring & control

24/7 Guardian Expert team always on watch

Easy Deployment

Plug & Play Pre-installed, powered on arrival

Time Saving Drastically reduces installation time

Scalable Design Modular expansion as needed
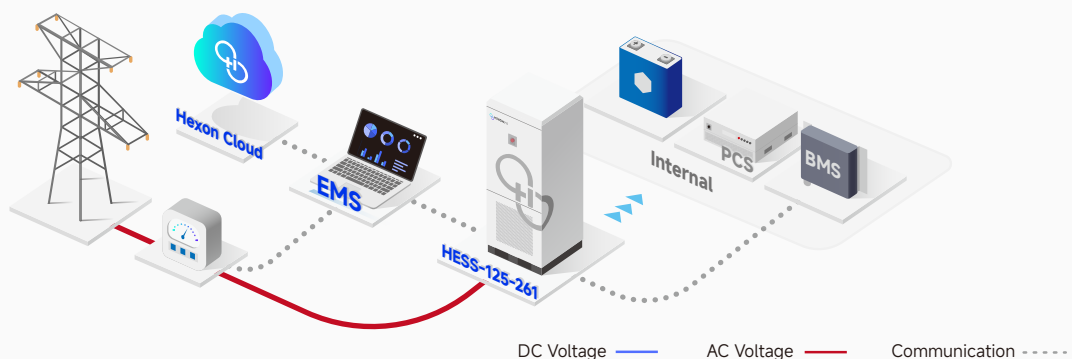
Peak Shaving

Arbitrage

Backup Power

Grid Services

System schematic diagram

Hexon Cloud

EMS

HESS-125-261

Internal

PCS

BMS

DC Voltage ——   AC Voltage ——   Communication ------

Model	HESS-125-261
DC side parameters	
Battery capacity	261kWh
System Configuration	1P52S
Battery Pack Configuration	52.25kWh
Cell type	LFP 314Ah
Battery voltage range	728~936V
PACK protection level	IP66
AC side parameters	
AC rated power	125kW
Total current waveform distortion rate	≤3%（at rated power）
DC component of current	≤0.5%（at rated power）
Rated grid voltage	400V
Grid voltage deviation	-15%~+15%
AC overload capacity	1.1times long-term
AC wiring method	3P+N+PE
Rated grid frequency	50Hz/60Hz±2.5Hz
Power Factor	0.99/-1～1
AC protection	Circuit breaker + AC lightning protection
System parameters	
Maximum system efficiency	87%
Battery cell cooling method	Liquid Cooling
Remote Monitoring	Cloud Platform
Noise	≤75dB@1m
Communication interface	Ethernet 、RS485
Communication Protocol	MODBUS-TCP/MODBUS-RTU
Maintenance method	Double-sided maintenance
Installation location	Outdoor
Outlet method	Down in and out
Operating temperature range	-25℃~55℃
Maximum operating altitude	3000m
Operating humidity range	5%~95%RH，no condensation
Corrosion resistance level	C3-M(standard)/C4/C5
Protection level	Battery compartment IP55 + electrical compartment IP54
Fire protection system	PACK -level aerosol + cabin-level aerosol + water firefighting (optional)
Product dimensions (W*D*H)	1100(W)*1320(D)*2560(H)mm
Equipment weight	2600kg
Certifications	GB/T 36276，UN38.3，IEC62619，IEC62477，IEC61000