

HLY-ELS 215K/232K

Industrial & Commercial Cabinet ESS



Integrated Design

Highly integrated cabinet with both AC and DC; supports multi-unit parallel connection, scalable to megawatt level.



Core Safety

Cell partition isolation + intelligent fire protection; three-level intelligent protection at cell, module, and system level.



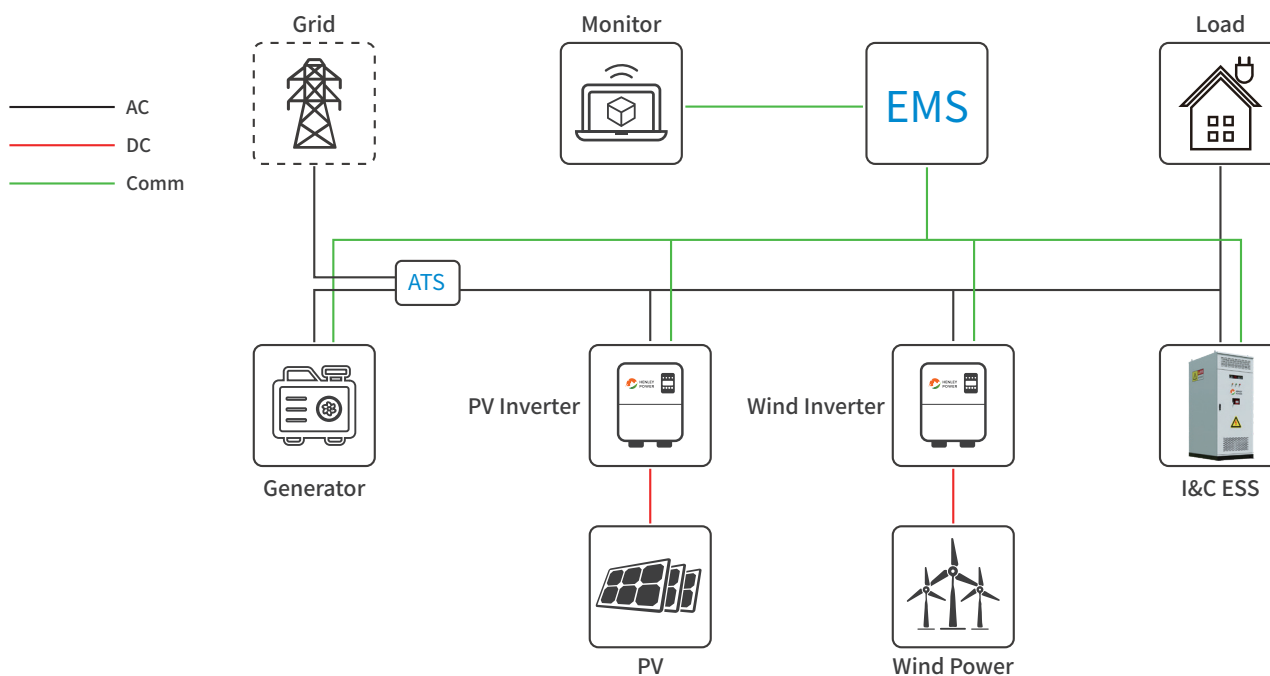
Grid-Friendly

Voltage and frequency regulation, three-phase balancing, feeder management; improves power quality, delays grid expansion; fast response, supports primary and secondary frequency regulation.



Economic & Efficient

High-efficiency charge/discharge for better returns; intelligent O&M with real-time monitoring; long cycle life with lower cost.



System Specification

Model	HLY-ELS24001Y215K	HLY-ELS26001Y232K	Remarks
DC Parameters			
Cell Type	LFP-3.2V-280Ah		
Rated Battery Energy	215kWh	232kWh	
Nominal Voltage	768Vdc(Voltage Range 648V-876V)	832Vdc(Voltage Range 702V~949V)	
Temperature Control Method	Smart liquid cooling/heating		50% ethylene glycol, water
AC Parameters (On-Grid)			
Rated Power	100kW	125kW	
Grid voltage	400 V		
Rated Current	144A	180A	
AC Overload Capacity	1.1 times for extended periods, 1.2 times for 1 minute		
Rated Grid Frequency	50 Hz/60 Hz		
Cooling method	Air-cooled		
Total Current Harmonic Distortion (THDi)	<2.5%(at rated power)	<3%(at rated power)	
Power factor	>0.99 (at rated power)		
Power factor adjustment range	- 1 (leading) to 1 (lagging)		
System Parameters			
Fire Protection System	Aerosol		
Anti-corrosion level	C3		C4 and C5 optional
Ingress Protection	IP55		
Operating Temperature Range	-20 to +55°C		
Storage Temperature	-20 to +45°C		SOC 30%~50%, <6 months
Operating Humidity Range	0~95% RH		No condensation
Installation method	Outdoor installation		
System Communication Interface	Ethernet/RS485		
External System Communication Protocols	Modbus TCP/Modbus RTU/MQTT		
Altitude	Up to 2000 m		
Dimensions	1000 mm (W) × 1350 mm (D) × 2390 mm (H)		>2000 m (derated)
Weight	2500±150kg	2600±150kg	
Cycle life	≥8,000 cycles @0.5C, 25±2°C, ≥70% EOL		
Certifications	None	IEC 62619、IEC 61000、ROHS、UN38.3、MSDS	



SHANDONG HENGLIYUAN NEW ENERGY CO., LTD.
Add: Qizhong Avenue, Qihe Economic Development Zone, Shandong Province

0534-5959959 E-mail: info@henleypower.group Web: www.henleypower.group

*Product data and specifications are subject to change without notice. Hengliyuan reserves the right of final interpretation.