

HLY-ELS 64K/112K/157K/261K

PV-Storage All in one system



Solar-ESS Synergy

Direct PV connection cuts conversion loss and boosts power efficiency.



Integrated All-In-One

Highly integrated complete unit, plug-and-play, efficient installation.



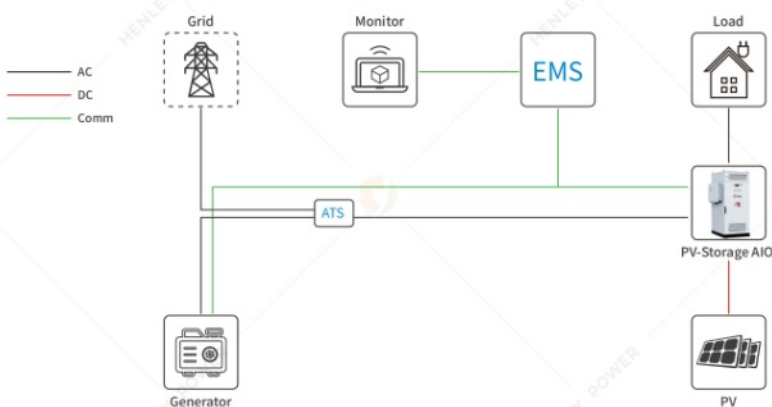
Intelligent O&M

Intelligent scheduling, real-time monitoring, remote upgrade and fault diagnosis.



Core security

Cell zoning isolation + intelligent fire protection system, Three-level intelligent protection covering cell, module and system.



System Specification

Model	HLY-EL506401F64K	HLY-EL511201F112K	HLY-EL515601Y157K	HLY-EL526001Y261K	Remarks
Battery Parameters					
Cell Type	LFP-3.2V-314Ah				
Rated Battery Energy	64kWh	112kWh	157kWh	261kWh	
Nominal Voltage	204.8Vdc	358.4Vdc	499.2Vdc	832Vdc	
Voltage Range	172.8V~233.6V	302.4V~408.8V	421.2V~569.4V	702V~949V	
Thermal Management	Intelligent Air Cooling	Intelligent Air Cooling	Intelligent Liquid Cooling / Liquid Heating	Intelligent Liquid Cooling / Liquid Heating	50% Ethylene Glycol + Water
PV Parameters					
Max Power	38.4kW~38.4kW		240kW		
Max PV Voltage	850V		1000V		
PV Start Voltage	250V		180V		
MPPT Voltage Range	200V~800V		150~950V		
MAX PV Current	64A~64A		10×42A		
AC Parameters (On-Grid)					
Rated Power	30kW	30kW/50kW	30kW/60kW	125kW	
Rated Current	43.5A	43.5A/72.5A	43.5A/87A	180.4A/189.9A	
AC Overload Capacity	1.1× long-term rating, 1.2× for 1min				
Rated Grid Frequency	50Hz±2.5Hz			50 / 60HZ	
THDi	<3% (rated power)				
Power Factor Range	-1 (leading) to +1 (lagging)				
AC Parameters (Off-Grid)					
Rated Output Power	30kW	30kW/50kW	30kW/60kW	125kW	
Max Output Current	48A	48A/80A	48A/96A	250A	
Rated Voltage	400V/230V				
Output Voltage THD	<3%			<2%	
System Parameters					
On-off grid switching time	<10ms				
Fire protection	Aerosol				
Anti-Corrosion / IP	C3/IP55				
Operating Temperature	-20~+55°C				
Operating Humidity	0~95%RH				
Communication	Ethernet/RS485; ModbusTCP/RTU				
Dimensions (W × D × H)	1100*900*940mm	1350*1160*2277mm	1000*1350*1880mm	1000*1390*2390mm	
Weight	900±150kg	1900±150kg	1800±150kg	2600±150kg	Derating above 2000 m
Cycle Life	≥8000 cycles@0.5C, 25±2°C, ≥70%EOL				
Certifications	GB/T 36276, IEC 62619, IEC 63056, IEC 62477, IEC 61000, ROHS, UN38.3, MSDS				

