

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

PV-Storage All in one system



PV-Storage Synergy

Direct connection to PV reduces energy conversion loss and improves power efficiency.



Integrated Design

Highly integrated system, plug-and-play, efficient installation.



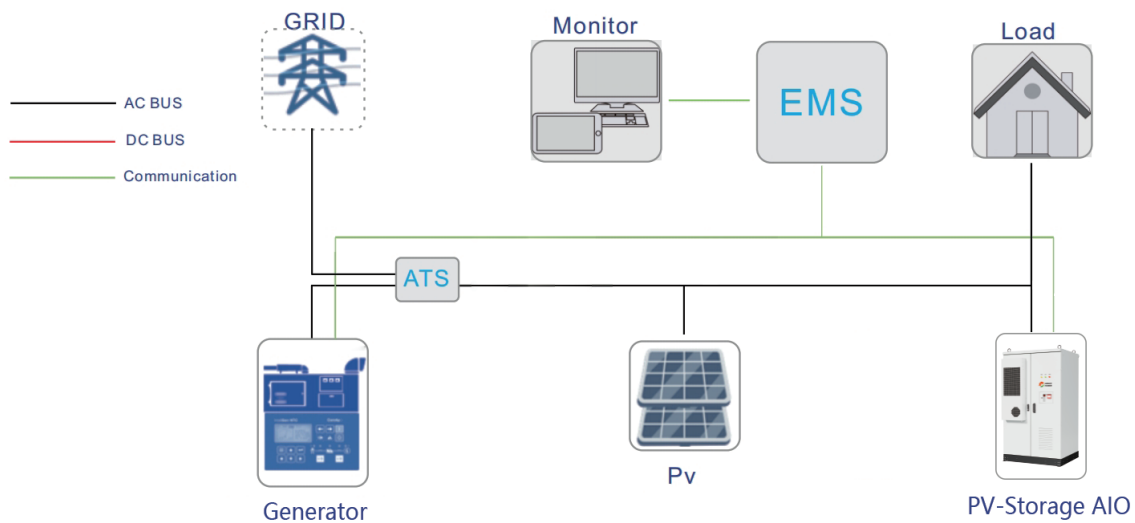
Intelligent O&M

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



Core Safety

Cell-level partition isolation + intelligent fire protection system.



System Specification

Category	HLY-ELS06401F64K	HLY-ELS11201F112K	HLY-ELS15601Y157K	HLY-ELS26001Y261K	Remarks
DC Parameters					
Cell Type	LFP-3.2V-314Ah				
Battery Rated Capacity	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/heating	Intelligent liquid cooling/heating	50% ethylene glycol + water
AC Parameters (Grid tied)					
Rated Power	30kW	30kW/50kW	30kW/60kW	60kW/120kW	
Grid Voltage	400V/230V				
Rated Current	43.5A	43.5A/72.5A	43.5A/72.5A/87A	87A/87A	
Overload Capability	1.1× long term, 1.2× for 1 min				
Grid Frequency	50Hz±2.5Hz				
Cooling Method	Intelligent air cooling				
THD	<3%(rated power)				
Adjustable PF Range	-1(leading)~1(lagging)				
System Parameters					
Fire Protection	Aerosol				
Corrosion Protection	C3				C4 and C5 optional
Ingress Protection	IP55				
Operating Temperature	-20~+55°C				
Storage Temperature	-20~+45°C				SOC@30%~50%, <6 months
Operating Humidity	0~95%RH				No condensation
Installation	Outdoor installation				
Operating Condition	Max 2 charge/discharge cycles per day				
Communication Interface	Ethernet/RS485				
Communication Protocols	ModbusTCP/RTU				
Altitude	Up to 2000 m				>2000 m (derated)
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	
Cycle Life	≥8000cycles@0.5C, 25±2°C, ≥70%EOL				

