

HLY-SLS 2.5M/3.34M/4.18M/5M

Liquid cooled container ESS



Flexible & Easy Deployment

Standard containerized design enables rapid installation and efficient maintenance, compatible with mainstream PCS and multiple communication protocols for full-scenario adaptability.



Safe & Reliable

Multi-layer protection architecture with full-scope monitoring and intelligent fire suppression, engineered for harsh environments including rain, snow, wind, and sandstorms, ensuring stable 24/7 operation.



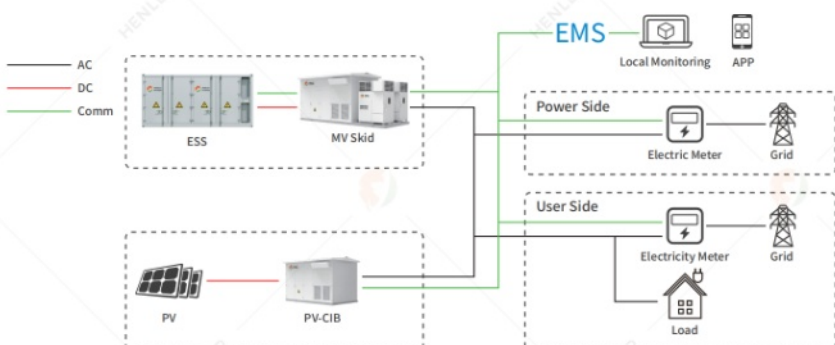
Intelligent O&M

AI-driven scheduling across generation, grid, load, and storage; cloud-based diagnostics enhance O&M efficiency and enable smart energy management.



Economical & Efficient

Refined thermal management reduces energy consumption and increases system revenue; ultra-fast intelligent dispatch maximizes power-plant profitability.



System Specification

Model	HLY-SL541606Y2.5M	HLY-SL541608Y3.34M	HLY-SL541610Y4.18M	HLY-SL541612Y5M
Rated Energy	2.5MWh	3.34MWh	4.18MWh	5MWh
Dimensions	6058*2438*2896mm			
Weight	≈27t	≈33t	≈38t	≈43t
Cell Type	Lithium Iron Phosphate(LFP)			
Cell Specifications	314Ah/3.2V			
Rated Voltage	DC1331.2V			
Operating Voltage Range	DC1123.2V~DC1518.4V			
Rated Power	1.25MW	1.7MW	2.15MW	2.5MW
Rated Charge/Discharge Current	942A/942A	1256A/1256A	1570A/1570A	1884A/1884A
Rated Charge-Discharge Rate	0.5C			
Energy Efficiency	≥92%			
Storage Temperature	-20~40°C			
Operating temperature	-40~60°C			
Humidity	≤95%, non-condensing			
Thermal Management	Liquid Cooling (50% Ethylene Glycol Solution)			
Ingress Protection	IP55			
Fire Protection System	Aerosol/Perfluorohexanone (Optional)			
Protection Functions	Short-circuit, Overcharge/Overdischarge, Over-temperature, Lightning Protection			
Fire Detection	YES			
Emergency Stop	YES			
UPS	YES			
Certifications	UN38.3, MSDS, IEC62933, EN61000, IEC62477, IEC62619, IEC63056			

