

NAMKOO

SmartESS-125



Main Features



Modular design

Modular design, different configurations can be selected to quickly respond to customer needs.



Cost-effective

Users can choose 100kW and 125kW PCS, and the maximum capacity can be 261kWh, which is cost-effective.



Long life span

Adopt wind-liquid intelligent cooling architecture to reduce energy consumption, improve energy efficiency, and increase the service life of battery cells.



Safe & Reliable

Taking into account both cost and safety, two-level fire protection at PACK level and cabinet level is adopted to improve product safety.



Real-time Monitoring

Self-developed EMS has intelligent remote operation and maintenance capabilities, saving time and cost for operation and maintenance.

Technical Parameters

Items	Technical Indicators	Noted
Product Form	Outdoor energy storage cabinet	
Parallel Capability	Max.10	
Rated Energy	261KWh	
Cell Type	LFP 314Ah	
Battery Cluster Configuration	(1P52S)*5S	
Charge And Discharge Rate	0.5P	
Cycle Life	≥6000 Cycles	0.5C\25℃、DOD 90%、SOH80%
PV Input Power	120KW	
MPPT Voltage Range	200-800V	
MPPT Quantity	1 or 4 (Optional)	
Max PV Input Current	1*200A or 4* 50A	
Rated Power	100kW or 125kW	
Rated Voltage	380~400V ac	
Frequency	50/60Hz	
Distortion Rate	≤3%	
System Efficiency	≥86%	
Operation Mode	ON-OFF GRID、OFF-GRID	
Charge And Discharge Switching Time	< 10ms	
Wiring Mode	3W+N+PE	
IP Rating	≥IP54	
Cooling Mode	Liquid Cooling (Pack), Air Cooling (PCS)	
Product Dimension	1534±2*1404±2*2180±2(Without hook) 1534±2*1404±2*2238±2(With hook)	mm
Package Dimension	1630±2*1500±2*2370±2(With hook)	mm
Net Weight	3 tons	
Operating Temperature	-20~50℃	> 45℃ Derating
Operating Humidity	5%~95% (No condensation)	
Altitude	≤2000m	> 2000m Derating
Fire	Aerosol	