



HF-125kW/261kWh

C&I All-in-one Energy Storage System



Integrated PV-ESS
Highly Modularized Design



Industrial-Grade Protection
Liquid-Cooled Thermal Management,
-20~55° C/IP54



High-Voltage Capacity
168A Fast Charge



Flexible Scalability
Rapid Capacity Expansion, 99%
Efficiency



Zero-Interruption Grid Transition
<30ms, Off-Grid Capable



Intelligent Power Control
125kW Off-grid, ±0.99
Adjustable PF

Technical Specification

MODEL	HF-125kW/261kWh	
Battery Parameters		
Battery Type	LFP	
Nominal Voltage	832V	
Voltage Range	741~932V	
Nominal Capacity	314Ah	
Nominal Energy	261.2kWh	
Max Charge/Discharge Current	168A	
AC Grid-Connection Parameters		
Voltage Configuration	Three-Phase Four-Wire System	
AC Voltage Range	400Vac (340Vac~440Vac)	
Nominal Current	181A	
Maximum Current	200A	
Nominal Frequency	50Hz/60Hz	
Power Factor	>0.99 (at half load and above), adjustable range: 1 (leading) to 1 (lagging).	
Charge/Discharge Switching Time	<30ms	
Off-grid Parameters①		
AC Voltage Harmonics	≤3% (linear load)	
Output Frequency	50Hz/60Hz	
Rated Output Power	125kW	
Maximum Apparent Power	137.5kVA	
PV Parameters (Optional)		
Maximum Input Voltage	950V	
Operating Voltage Range	500~950V	
Rated Power	125kW	
Maximum Current	110/110	
Number of Input Channels	2	
Maximum Efficiency	99%	
General Parameters		
Weight	≈2600kg	
Altitude	<2000m	
Protection Level (IP Rating)	IP54	
Corrosion Protection Level	C4	
Dimensions(W*D*H)	1080x1665x2444 mm	
Operating Temperature Range	- 20~55℃	
Operating Humidity Range	RH ≤ 95% (non-condensing)	
Temperature Control Method	Battery: Liquid Cooling	Inverter: Air Cooling
Fire Protection Device	Thermal Aerosol	

①: The off-grid function requires the use of STS accessories.