



YOUR
SMART
ENERGY

STORION-LC-H125

Liquid-Cooling Outdoor Cabinet

CAPACITY

Inverter: 125kVA

System: 261 kWh



All-in-One Design

Easily Set Function Parameters

Seamless Switching to backup

200% PV input oversizing

Safer Intelligent Fire Protection System

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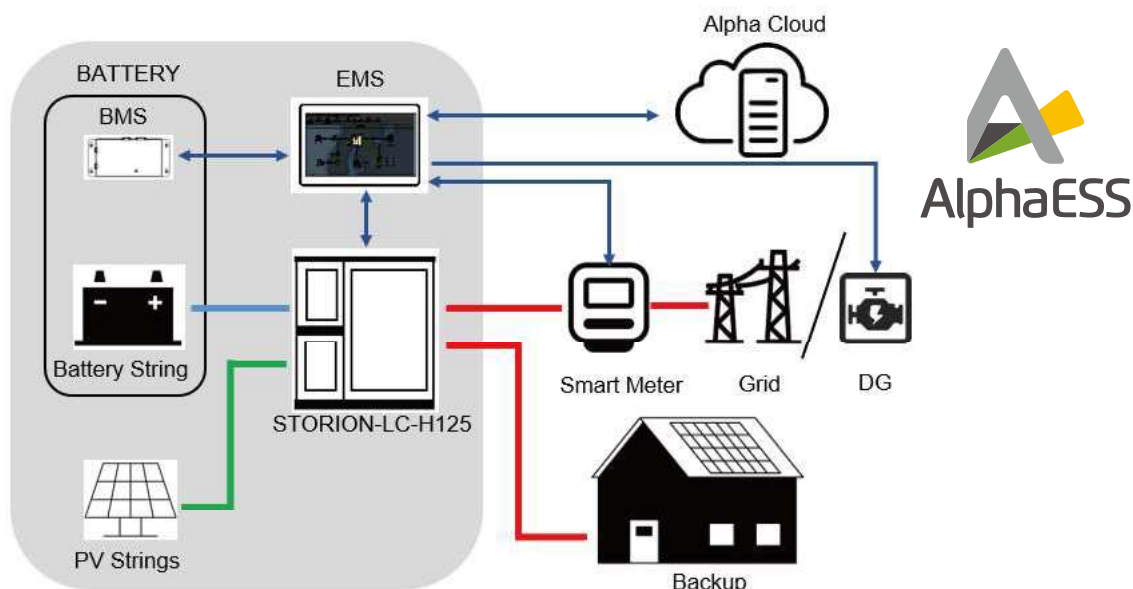
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STORION-LC-H125

Model	STORION-LC-H125
System Parameter	
Dimension(W x D x H)	(1050 + 400) x 1500 x 2450 mm*
Battery Modules Connection	5 in series connection
Weight	3.7t
Ingress Protection	IP55
Operation Ambient Temperature Range	-20 °C ~ 50 °C(>45 °C Derating)
Operation Humidity Range	0 - 95 %RH
Max Operation Altitude	3000 m(> 2000 m Derating)
Fire-Fighting System	Aerosol + Sprinkler
Communication protocols	Modbus TCP
PCS Parameters	
Nominal AC Power	125 kVA@45°
Max. Output Power	137.5 kVA
Max. PV Power	250 kWp, 16MPPTs (With DCDC Cabinet)
Max. OCV of PV String	700 V
Nominal Grid Voltage	400 V, 3L/N/PE
Nominal Grid Frequency	50/60 Hz (± 5 Hz)
Output THDi/THDu	< 3 %
Max. Efficiency	99%
Switching Time	≤ 20 ms (with STS Cabinet)
Overload Capacity	110% long term, 120% 1 min
Compliance	IEC 62477, IEC 61000, IEC 62109, AS4777.2, EN 50549 VDE 4105, G99

Battery Parameters

Battery Model	M166314-S
Battery Chemistry	LFP (LiFePO ₄)
System Battery configuration	1P260S
Operation Voltage Range	702 V ~ 936 V
Nominal Capacity	261.2kWh
Rated Charging and Discharging Power	130.6kW (0.5 P)
Cycle Life	≥ 8000 @0.5 P 25°**
Cooling	Liquid Cooling
Compliance	IEC 62619, IEC 62477, IEC 61000, UL9540A

*DCDC cabinet and STS cabinet are separate outdoor cabinets that can be assembled on the side of the system cabinet by stacking installation method.

** Based on laboratory environment.

