

● YOUR
● SMART
● ENERGY



STORION-LC-TB125

Liquid-Cooling Outdoor Cabinet

CAPACITY

Inverter: 125kVA

System: 261 kWh



KEY FEATURES

All-in-One Design

Easily Set Function Parameters

Safer Intelligent Fire Protection System

Various Operating Modes Available For Selection

Seamless switching to backup(≤ 20ms with STS Cabinet)

System-wide Temperature Difference within 3°C

Max 50 units in parallel(On-Grid Mode)

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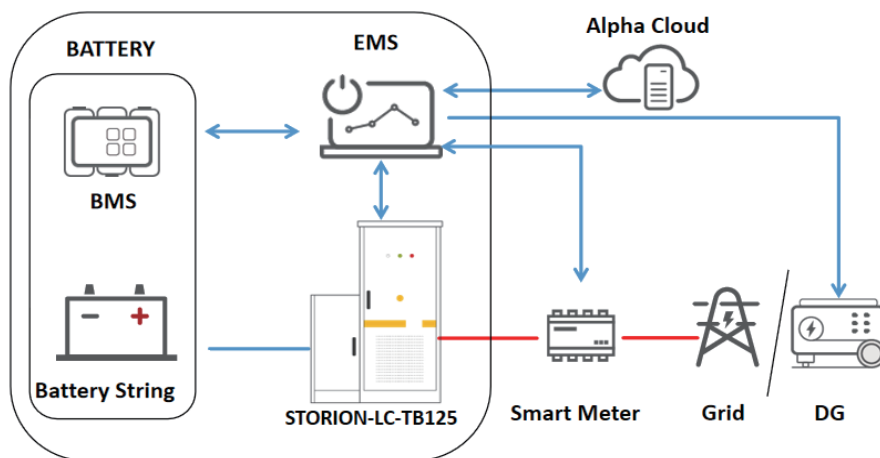
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STORION-LC-TB125

Model	STORION-LC-TB125
System Parameter	
Dimension(W x D x H)	1003 x 1500 x 2482.75 mm*
Battery Modules Connection	5 Modules in series
Weight	≤2.9 t
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°C
Max. Output	137.5 kVA
Battery Voltage Range	630 V ~ 950V
Nominal Grid Voltage	400 V(±15%), 3L/N/PE
Nominal Grid Frequency	50/60 Hz (± 5 Hz)
Output THDu	< 3 %
Max. Efficiency	99%
Switching Time	≤ 20 ms (With STS Cabinet)
Overload	110% long time; 120% 1 min
Compliance	IEC 62477, IEC 61000, IEC 62109, EN 50549, VDE4105, G99
Battery Parameters	
Battery Model	M166314-S
Battery Chemistry	LFP (LiFePO ₄)
System Battery configuration	1P260S
Operation Voltage Range	702 V ~ 936V
Nominal Capacity	261.2 kWh
Rated Charging and Discharging Power	130.6kW (0.5 P)
Cycle Life	≥8000@0.5 P 25°C**
Cooling	Liquid Cooling
Compliance	IEC 62619, IEC 62477, IEC 61000, UL9540A

*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.