

• YOUR
• SMART
• ENERGY



STORION-LC-TB125-EX

Liquid-Cooling All-in-one Cabinet

CAPACITY

Inverter: 125kVA

System: 261 kWh

Option

Hybrid & STS



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($\leq 20\text{ms}$ with STS Cabinet)

System-wide Temperature Difference within 3°C

Max 50 units in parallel(On-Grid Mode); Max 4 units in parallel (Off-Grid Mode)

Model	STORION-LC-TB125-EX
System Specifications	
Nominal Output Power	125 kW
Capacity Range	261.2 kWh
Battery Chemistry	LFP (LiFePO ₄)
System Ingress Protection	IP55
Operation Temperature Range	-20~50 C (>45 C Derating)
Altitude	3000 m(> 2000 m Derating)
Dimensions (W*H*D)	1050 *1500 *2450 mm
Weight	3.2 t
Fire-fighting System	Aerosol + Water
Communication	Wifi / LAN / 4G
Compliance	UN 38.3, IEC 62619, IEC 62477, IEC 61000
Warranty	5 Years Product Warranty, 10 Years Battery Performance Warranty
Inverter Technical Specifications	
PV Strings Input Data (Optional)	
PV Input Power	Nominal 250 kW, 62.5KW pre DCDC, Max 80KW input for each DCDC
Max. PV Input Voltage	700 V
Stratup Voltage	150 V
MPPT Voltage Range	150-850V
Max. Input Current per MPPT	45 A
Max. PV Short-Circuit Current	88 A
MPPT infomation	Each DCDC has 4 MPPT, 1 string pre MPPT, Maximum 4 DCDC
AC Input & Output Data (Grid Side)	
Max. Output Power	137.5KW
Nominal AC voltage	220 V / 380 V, 230 V / 400 V
Rated Frequency	50 / 60 Hz
Back-up (Optional)	
Max Output Power (On-Grid)	137.5kW (long term)
Max Input Power(On-Grid)	300KW; 500KW; 800KW; 1250KW
Max Output Power (Off-Grid)	137.5kW (long term) ; 150 kW (1 min)
Switch Time	< 20ms
Rated Output Voltage	3L/N/PE, 220/380 V; 230/400 V
Rated Frequency	50 / 60 Hz
Compliance	IEC 62477, IEC 62109, IEC 61000, EN 50549, VDE 4105, G99
Battery Technical Specifications	
Module Model	M166314-S
Module Capacity	52.24 kWh
Depth of Discharge (DOD)	98% on grid, 90% off grid
Nominal Voltage	832 V
Cycle Life	>8000@25 C 0.5P**
Certification	UN38.3, IEC 62477, UL 9540A, IEC 610000

*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.

*** If using Hybrid solution, the moduel name is Storion-LC-H125-EX

