

# STORION-LC-TB150

Liquid-Cooling Outdoor Cabinet

## CAPACITY

Inverter: 150kVA

System: 313 kWh



## KEY FEATURES

**Stable Performance and Low-noise ( $\leq 60$  dB) with Full Liquid Cooling**

**Intelligent Eight-layer Fire Protection**

**Pre-assembled Design for Fast Deployment**

**Cell-level Monitoring with Second-level Fault Detection and Cloud Alerts**

**Seamless Switching to Backup ( $\leq 20$ ms with STS Cabinet)**

**Up to 25 Units in Parallel (On-grid Mode)**

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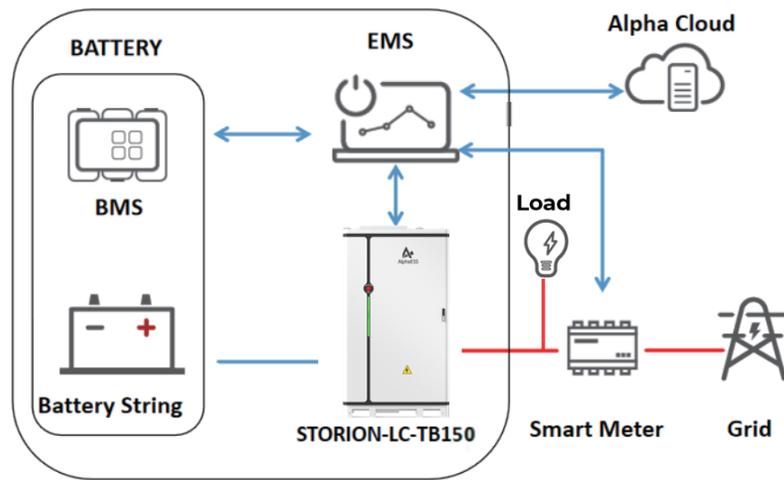
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## STORION-LC-TB150

Model	STORION-LC-TB150
<b>System Parameter</b>	
Dimension(W x D x H)	1340 x 1542 x 2413 mm*
Battery Modules Connection	6 Modules in series
Noise	≤60 dB
Weight	≤3.2 t
Ingress Protection	IP55
Operation Ambient Temperature Range	-30 °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 + Flammable Gas Detection
Communication protocols	Modbus TCP
<b>PCS Parameters</b>	
Nominal AC Power	150 kVA@45°C
Max. Output	165 kVA
Battery Voltage Range	700V ~ 1200V
Nominal Grid Voltage	400 V(±15%), 3L/N/PE
Nominal Grid Frequency	50/60 Hz (± 5 Hz)
Output THDu	< 3 %
Max. Efficiency	98.5%
Switching Time	≤ 20 ms (With STS Cabinet)
Overload	110% long time; 120% 1 min; 150% 10s
Cooling	Liquid Cooling
Compliance	IEC 62477, IEC 61000, EN 50549, VDE4110, G99, C10/11, CEI 0-16, IEC 61727, IEC 62116
<b>Battery Parameters</b>	
Battery Model	M166314-S
Battery Chemistry	LFP (LiFePO <sub>4</sub> )
System Battery configuration	1P312S
Operation Voltage Range	842.4 V ~ 1123.2V
Nominal Capacity	313.49 kWh
Rated Charging and Discharging Power	156.747 kW (0.5 P)
Cycle Life	≥8000 @0.5 P 25°C**
Cooling	Liquid Cooling
Compliance	IEC 62619, IEC 62477, IEC 61000, UL9540A

\*STS cabinet is separate outdoor cabinet that can be assembled on the side of the system cabinet by stacking installation method.  
 \*\*Based on laboratory environment.