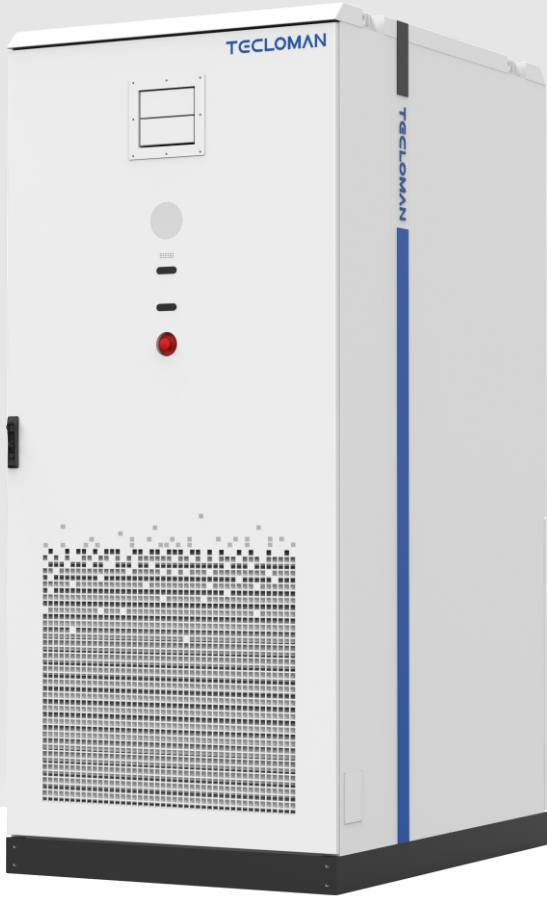


Alcor

TESS-125-262-E



Product Overview

Alcor Commercial & Industrial Liquid-Cooled Energy Storage Cabinet integrates long-life battery cells, a new BMS control method, high-performance PCS, an intelligent thermal management system, and an active fire protection system into a standardized outdoor cabinet. The design adopts a fully independent layout for electrical components and battery modules, enhancing the reliability of system thermal control and fire safety protection.

This product can be applied in various scenarios, including peak shaving and valley filling, renewable energy integration, dynamic capacity expansion, and low-voltage grid support.



High-efficiency liquid cooling technology, battery temperature difference < 5°C;



Integrated design, fully assembled for transportation, plug-and-play



Intelligent monitoring system, integrating BMS and EMS for smarter and safer management



Built-in independent fire protection system



Model	TESS-125-262-E
AC Side (On-Grid)	
Rated Voltage	400V
Rated Current	180A
Rated Power	125kW*
AC Output Type	3W + N + PE
AC Voltage Range	-15% ~ +15%
Max Output Current	216A
Max Output Power	150kVA
Rated Grid Frequency	50/60Hz
PF	0.99
PF Range	1(Lagging) ~ 1(Ledding)
THD i	<5% (@Rated Power)
Over Load Ability	110%10min, 120%1min
AC Side (Off-Grid)	
Rated Output Voltage	400V
Rated Current	180A
Rated Output Power	125kW
Max Output Current	216A
Max Output Power	138kVA@10min
Rated Frequency	50 / 60Hz
THDU	<3% (Liner Load)
On/Off Grid Switch Type	Manul
DC (Battery)	
Battery Voltage Range	754V ~ 923V (2.9 ~ 3.55)
Rated Capacity	262kWh
Max Chagre Power	125kW
Max Discharge Power	125kW
Max Charge Current	172A
Max Discharge Current	172A
Protection Features	
AC Protect	AC Overcurrent, AC Overvoltage, AC Surge, AC Short-Circuit, Overtemperature, Anti-Islanding, Reverse Current, etc.
DC Protect	Reverse Connection, Over-/Under-Voltage, Over-/Under-Temperature, Temperature Difference, Voltage Difference, Overcurrent, etc.
Other Protect	Sub-Device Disconnection, Fire Action, Surge, etc.
General Specifications	
Noise	<75dB(A)@1m

Model	TESS-125-262-E
Standard Parameters	
Noise	<75dB(A)@1m
Operating Temperature	-25°C ~ +55°C
Storage Temperature	-20°C ~ +45°C
Cooling	Liquid Cooling (Battery) +Air Cooling (PCS)
Relative Humidity	0~95%Condensation-Free
Maximum Altitude	≤4000m,Derate above 2,000m, with a maximum derating to 80%
Dimensions (W×D×H)	1030×1400×2350mm
Weight	2500kg
Efficiency	87%, Full-power two-cycle charge/discharge with 1-day standby at 25°C
Standby Loss	1kWh@24h, in ambient temperature <35°C
Battery Cycle Life	≥6000次
Protection Grade	C3 / IP54
Fire Protection	Battery Compartment Aerosol Fire Suppression System(Includes: 1 smoke detector, 1 temperature sensor, and 1 audible & visual alarm) Battery Module Aerosol Fire Extinguishing Device
Communication	
HMI	10-inch Touch Screen
External Communication	1RS485+1 Ethernet port + 1 LAN port
Meter Communication Distance	≤80 meters (Shielded twisted pair cable)
Customer Communication Distance	≤80m (Ethernet cable)



Product Dimensions

