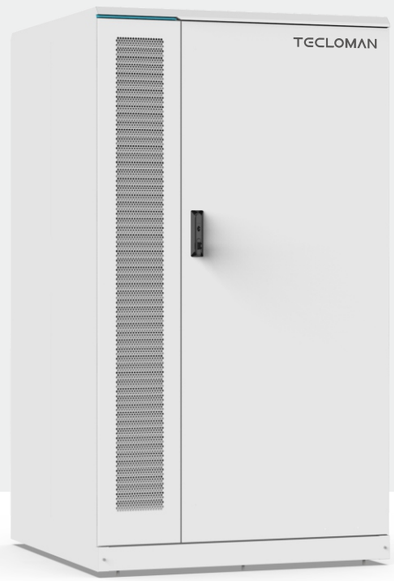
TECLOMAN

TRACK Outdoor Liquid-cooled Battery Cabinets

TRACK-1500-372-L

TRACK-1500-417-L



UL 1973
UL 9540A

Product Overview

TRACK outdoor liquid-cooled battery cabinets adopt a modular design concept, equipped with efficient liquid-cooled battery modules and heat dissipation design to deliver ultra-high energy density. Compared with the containerized system, TRACK is more flexible, and the transportation and on-site assembly work is greatly simplified. The system consists of Li-FePO4 battery modules, battery management system(BMS), liquid-cooled air-conditioning, fire-fighting system, etc. The TRACK can be connected to power conversion system(PCS) alone. or used in parallel. It can be widely applied in various energy storage scenarios, such as renewable energy consumption, peak shaving and valley filling, emergency power backup, and dynamic capacity increase.

- High-efficiency liquid-cooling technology, temperature difference ⩽3°C.
- All-in-one cabinet design.
- Built-in independent fire-fighting system.
- IP54
- 280AH large monomer battery core, laser welding process.
- Outdoor direct installation.
- Intelligent BMS system, real-time monitoring of system safety.
- New heat-insulating refractory material, fire-resistant 2h.

Model	TRACK-1500-372-L	TRACK-1500-417-L
Cell Model	280Ah	314Ah
Cell Type	LiFePO4	
Formation Method	1P416S	
Rated Voltage	1331.2V	
Voltage Range	1206.4V ~ 1456V	
Rated Power	372.736kWh	417.996kWh
Rated Charging/Discharging Power	186kW	208kW
Rated Charge/Discharge Current	140A	157A
Max. Continuous Charge/Discharge Current	280A	157A
Charge/Discharge Efficiency	⩾95%	
Battery Cluster Internal Resistance	⩽20mΩ	
Cycle Life	⩾6000次 (0.5C，25°C，80%EOL，90%DOD)	
Operating Temperature	Charging: 0 ~ 55°C；Discharge: 20 ~ 55°C	
Recommended Storage Temperature	15 ~ 35°C	
Relative Humidity	0 ~ 90%RH	
Max. Allowable Altitude	4000m (＞2000m derating)	
Self-consumption/month	⩽3%	
Cooling	Liquid Cooling	
Production Process	Laser Welding	
Communication	CAN / RS485 / Dry Contact	
Weight	4T	
Dimension (W×D×H)	1300mm×1300mm×2300mm	
Certificates	EMC/FCC/UN38.3/UL1973/ EN62477-1/IEC62619/IEC60529/UL9540A	Not for now

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