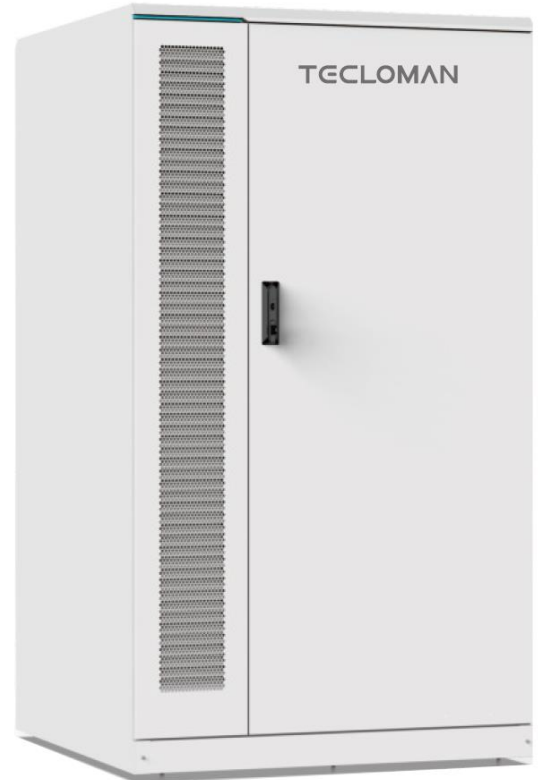


TRACK Outdoor Liquid-cooled Battery Cabinet

Using the concept of modular design, the TRACK liquid-cooled battery system ensures ultra-high energy density through the use of an efficient liquid-cooled battery module. This system is designed with heat dissipation in mind.

TRACK is more flexible than a container system, making transportation and field installation much easier. The system includes comprises a lithium iron phosphate battery module, BMS, liquid-cooled air conditioner, fire-fighting system, and many other features.

TRACK can be connected with PCS separately, and can also be used in parallel. It is suitable for various energy storage scenarios such as new energy consumption, peak-load shifting, emergency stand-by power, dynamic capacity enhancement, etc.



High efficiency liquid cooling technology with the temperature difference $\leq 3^{\circ}\text{C}$



built-in independent fire protection system



280AH large single batteries, adopting laser welding process



Intelligent BMS system, offering real-time monitoring system security



Integrated cabinet design



with IP54 protection



Enabling direct outdoor installation



Advanced heat insulation refractory, provide 2h of fire resistance

Each solution comprises a combination of battery racks, a PCS, and combiner rack. The solution can be installed indoors or outdoors, and is waterproof (carries IP54). New heat insulation and fireproof material has been used: TRACK can withstand fire for two hours via a highly efficient liquid-cooling management technology. The system comes with a comprehensive Cloud Monitoring system.

Model	TRACK-1500-372
Cell model	LFP280
Grouping mode	1P416S
HV box	PDU-1500-280-F1
Rated voltage	1331.2V
Voltage range	1206.4V-1456V
Rated power	372.736kWh
Rated charging & discharging power	186kW
Rated charging & discharging current	140A
Max. continuous charge/discharge current	280A
Charge/discharge efficiency	≥95%
Internal resistance of battery cluster	≤20mΩ
Cycle life	≥6,000 times (0.5C, 25°C, 80%EOL, 90%DOD)
Operating temperature	Charge: 0~55°C; Discharge: -20~55°C
Recommended storage temperature	15~ 35°C
Relative humidity	0~90%RH
Allowable maximum altitude	4,000m (derating above 2,000m)
Self-consumption/month	≤3%
Cooling mode	Liquid cooling
Production process	Laser beam welding
Communication mode	CAN/RS485/dry contact