

Titan-S125/261-L

Outdoor Cabinet Liquid-cooled Energy Storage System

Titan-S125/261-L is a new Outdoor Cabinet Liquid-cooled Energy Storage System developed by Leoch. It adopts ALL-in-one integrated design and integrates battery energy storage unit, intelligent converter, battery management system, temperature control system, fire protection system, energy management system and other equipment. The system features high charging and discharging efficiency, efficient thermal management, multiple safety designs, and a small footprint. It supports various EMS energy strategies, can participate in power market transactions (VPP), and can be used in various industrial and commercial application scenarios such as peak shaving and valley filling, emergency backup, demand control and microgrids.



* The appearance of the product is for reference only



Highly Integrated

ALL-in-one integrated design, simple installation and maintenance, saving space and cost.



Safe and Reliable

Multiple fire protection design, Cabinet level aerosol fire extinguishing + water fire fighting + explosion-proof pressure relief + explosion-proof exhaust system.



Modular Design

More flexible configuration, multiple parallel connections, fast response.



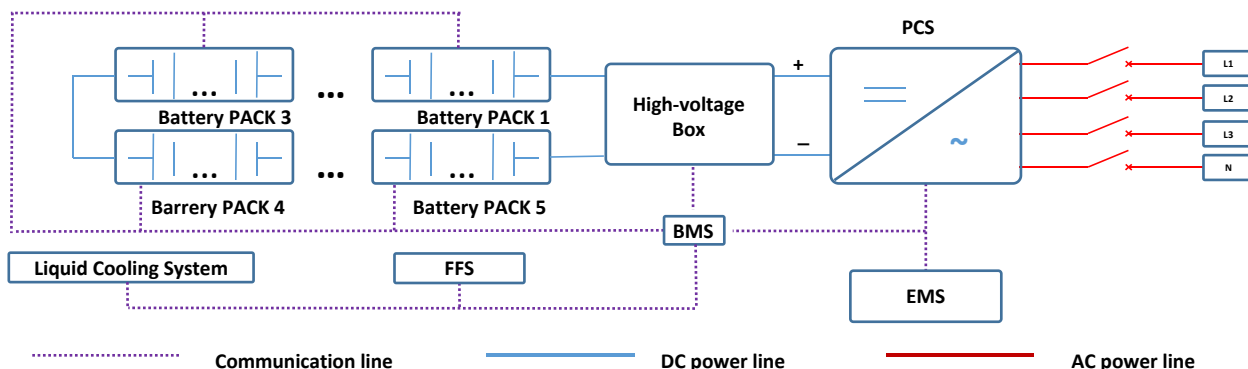
Intelligent Operation and Maintenance

The entire network's energy storage is visible and manageable, improving system reliability, stability, operation and maintenance efficiency, and optimizing system performance.



Extreme Temperature Control

Liquid-cooled precise temperature control. This system boasts higher efficiency and a longer service life.



*FFS: Fire Fighting System;

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System Model	Titan-S125/261-L
Battery Parameters	
Cell Type	LFP3.2V/314Ah
Battery PACK Type	1P52S
Cluster Configuration	1P260S
Nominal Energy	261kWh
Battery Voltage Range	728V~936V
AC Parameters (Grid mode)	
Rated Power	125kW
Rated Voltage	400V,3P4W
Rated Current	180A
Overload Capacity	110% long term
Rated Grid Frequency	50Hz/60Hz
Power Factor	0.99
Power Factor Range	1 (lead) ~ 1 (lag)
Current Distortion rate	<3% (Rated power)
DC Component	0.50%
AC Parameters (Islanded mode)	
Rated Power	125kW
Rated Voltage	400V, 3P4W
Rated Current	180A
Rated Frequency	50Hz/60Hz
THDu	≤3% (linear load)
Three-phase unbalance	100%
System Parameters	
Charge and Discharge Rate	≤0.5C
Dimensions (W*D*H)	1000*1300*2392mm
Weight	≤ 3000kg
IP Level	Electrical compartment: IP54, battery compartment : IP55
Altitude	2000 meters (>2000m derate for use)
Operating Temperature	-20°C~55°C (>45°C derate for use)
Relative Humidity	5~95% (no condensation)
Operating Noise	≤75dB
Cooling method (PCS)	Intelligent air cooling
Cooling method (battery compartment)	Intelligent liquid cooling
Fire Fighting System	Cabinet level aerosol fire extinguishing + water fire fighting + explosion- proof pressure relief + explosion-proof exhaust system
Communication Interface	RS485, CAN, Ethernet, Dry contact