

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.



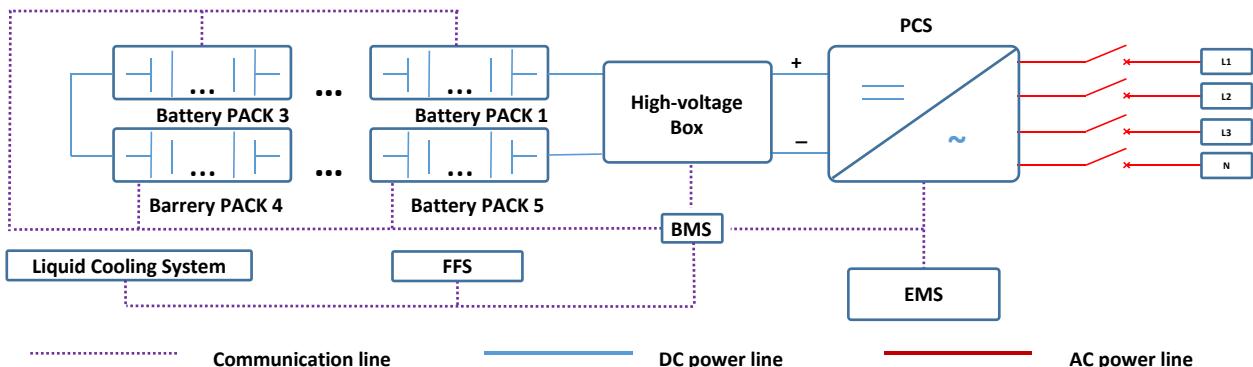
Intelligent Operation and Maintenance

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;

Outdoor Cabinet Liquid-cooled Energy Storage System



| 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 |