

Titan-B180~241-W

Outdoor Cabinet Air Cooling Battery System

Titan-B180~241-W is a new outdoor cabinet Air-cooled battery system developed by Leoch. The system adopts a modular design and integrates equipment such as battery energy storage unit, battery management system, temperature control system and fire protection system. As a DC-side product, Titan-B180~241-W features efficient heat dissipation management, multiple safety design, compact construction (small footprint), convenient transportation, installation and maintenance. It is equipped with an external communication interface capable of connecting external PCS and EMS. The product is widely used in industrial, commercial, and large-scale energy storage scenarios, such as peak clipping and valley filling, photovoltaic energy storage, peak clipping and valley filling and frequency regulation, microgrid, and emergency backup power applications.



*The appearance of the product is for reference

Easy to Install



Plug and play, instant use; The battery cabinet has IP55 protection grade and C3 corrosion protection grade, and can be deployed outdoors.



Safe and Reliable

Multi-fire design, unit level temperature detection + Cabinet level aerosol fire extinguishing + explosion-proof pressure relief + water fire fighting.



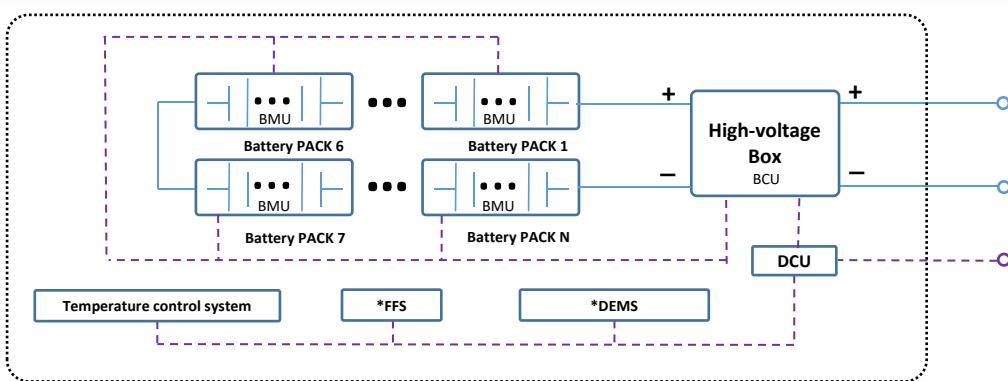
Multiple configurations

Modular design, flexible expansion, parallel design of multiple machines, support rapid expansion to megawatt-scale DC system.



Flexible application

It can match AC sides such as hybrid inverters and PCS to meet application scenarios such as optical storage microgrid, peak cutting and valley filling, and emergency backup power.



*DEMS: Dynamic Environment Monitoring System; *FFS: Fire Fighting System

System Model	Titan-B180-W	Titan-B200-W	Titan-B221-W	Titan-B241-W
Battery Parameters				
Cell Type	LFP3.2V/314Ah			
Battery PACK Type	1P20S			
Cluster Configuration	1P180S	1P200S	1P220S	1P240S
Nominal Energy	180kWh	200kWh	221kWh	241kWh
Nominal Battery Voltage	576V	640V	704V	768V
Battery Voltage Range	504V ~ 648V	560V ~ 720V	616V ~ 792V	672V ~ 864V
Charge and Discharge Rate	0.5C			
Maximum Operating Current	157A			
System Parameters				
Dimensions (W*D*H)	1170*1456*2100 (mm)			
Weight	About 1625 kg	About 1750 kg	About 1875 kg	About 2000 kg
IP Level	IP55			
Cooling method	Air conditioner			
Fire Fighting System	Cabinet level aerosol fire extinguishing + explosion- proof pressure relief + water fire fighting			
Grade of corrosion protection	C3			
Relative Humidity	0 ~ 95% (no condensation)			
Operating Temperature	-20°C ~ 50°C			
Altitude	< 2000 m			
Communication Interface	RS485, Ethernet			
Communication protocol	Modbus RTU, Modbus TCP/IP			