

# Titan-B80~160-W

## Outdoor Cabinet Air Cooling Battery System

Titan-B80~160-W is a new outdoor cabinet Air-cooled battery system developed by Leoch. The system adopts modular design and integrates battery energy storage unit, battery management system, temperature control system, fire control system and other equipment. As a battery system, the Titan-B80~160-W features efficient thermal management, multiple safety designs, compact construction (small footprint), easy transportation, installation and maintenance. The products are widely used in industrial, commercial, and large-scale energy storage scenarios by matching hybrid inverters or PCS, such as peak and valley filling, photovoltaic energy storage and frequency regulation, microgrid, and emergency backup power applications.



\* The appearance of the product is for reference only

### 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



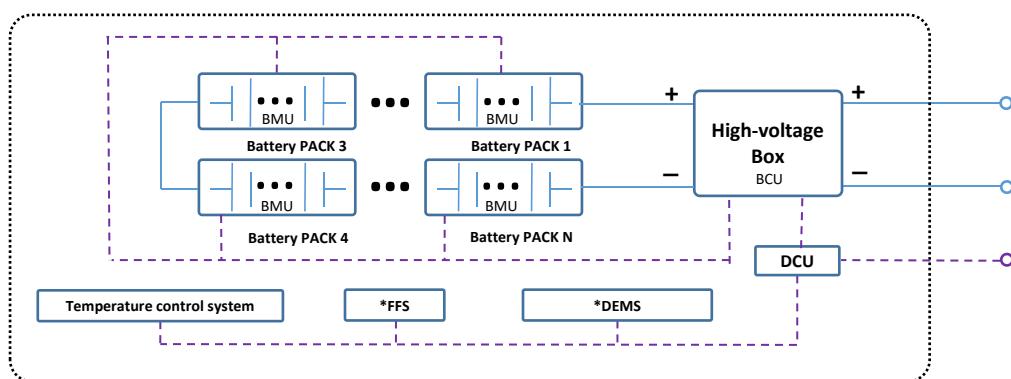
### Multiple configurations

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 or PCS to meet application scenarios such as optical storage microgrid, peak cutting and valley filling, and emergency backup power



..... Leoch Equipment

..... Communication Line

..... DC Power Line

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

System Model	Titan-B80-W	Titan-B100-W	Titan-B120-W	Titan-B140-W	Titan-B160-W
<b>Battery Parameters</b>					
Cell Type	LFP3.2V/314Ah				
Battery PACK Type	1P20S				
Cluster Configuration	1P80S	1P100S	1P120S	1P140S	1P160S
Nominal Energy	80kWh	100kWh	120kWh	140kWh	160kWh
Nominal Battery Voltage	256V	320V	384V	448V	512V
Battery Voltage Range	224V~288V	280V~360V	336V~432V	392V~504V	448V~576V
Charge and Discharge Rate	0.5C				
<b>System Parameters</b>					
Dimensions (W*D*H)	800*1330*2360 (mm)				
Weight	About 900 kg	About 1025 kg	About 1200 kg	About 1325 kg	About 1450 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				
Operating Temperature	≤75dB				
Communication Interface	RS485, Ethernet				
Communication protocol	Modbus RTU, Modbus TCP/IP				