

Sodium-ion Battery For Telecom

48V50/150AH



- **Polyanionic Sodium-ion** battery have **50%** energy density with Li-ion battery,perfect for scenarios where space requirements are not stringent.

- They can operate at lower & higher temperatures and reducing the energy required for cooling and heating
- and last longer than Li/La. With the smart battery management system, remote monitoring and management is available.

- All of this contributes to less frequent replacements and reduced truck rolls and costs, plus reduced carbon dioxide(CO₂) emissions associated with those activities and battery materials. These features offer real tangible environmental benefits.

 **Green and environmental.**

100% green material, non-hazardous, non-toxic, no pollution



Strong Redundant Safety.

Battery power guaranteed, **no smoke, no fire, no explosion.**

 **Longer battery life.**

8000cycles@80%DOD, 15years design life.

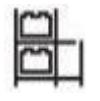


Smart & Simple & Secure.

Advanced **BMS** technology, **anti-theft** function with **LCD+Breaker**

 **Working in extreme temperature.**

Normal discharge at 80°C, long-term cycle use at 45°C



Long shelf life

1.5% ultra-low self-discharge rate, no battery memory effect

Model	AS48V50AH	AS48V150AH
Battery Technology	Sodium-ion Battery, NFPP	
Terminal Type Nominal	Smart	Standard
Voltage & Capacity	48V, 100Ah	48V, 150Ah
Nominal Capacity	4800WH	7200WH
Max Charging Current	100A	100A
Max Discharging Current	100A	100A
Cycle Life @25°C, 0.5c/0.5C, 80% EOL	≥8000	≥8000
Dimensions(W*H*D,mm)	480*550*200	442*650*220
Weight	46Kg	80KG
Charging Temp	0~60°C	0~60°C
Discharging Temp		-40~80°C
Recommended operating Temp		-20~80°C
Communication		RS485/CAN
Anti-theft		Yes
Max in parallel		16 Blocks
Shelf Life Time		6 months



Charging & discharging.

Fast charging @ **1Crate**, support constant voltage discharge, auto-balancing



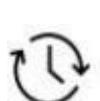
Interactive with DC Controllers.

Huawei, Delta, Vertiv, Eltek, support remote monitoring and management



Strictly tested & certified.

UL, IEC listed sodium-ion cell, **CNAS** certified sodium-ion battery pack



Longer Warranty Periods.

After Installation **84 months** warranty periods