

Na-12V160Ah

12V 160Ah

Sodium-ion

Sodium-ion Energy Storage Battery Series

Quality

Guarantee

5 Years

Sodium-ion batteries are able to provide you with superior performance, durable life cycle, high safety, and long-lasting reliability under different situations. SunArk Power insists on using state-of-the-art high quality sodium cells and advanced BMS technology.

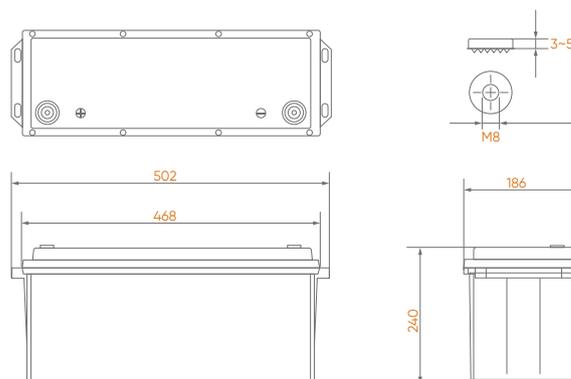
Our batteries are robustly designed for wide range of applications, which are popularly used in industrial, residential, commercial, and military fields.



Typical Applications

-  Wheelchairs and scooters
-  Solar/wind energy storage
-  Back-up power for small UPS
-  Golf trolleys & buggies
-  Electric bikes
-  Tools

Physical Dimension-mm



Specification



Lighter Weight

About 40% of the weight of a comparable lead acid battery. Easy to replace lead acid batteries.



Higher Power

Delivers twice power of lead acid battery. Higher discharge rate, while maintaining high energy capacity.



Longer Cycle Life

Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery.



Superior Safety

Sodium-ion batteries chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit.

SODIUM-ION ENERGY STORAGE BATTERY SERIES

Model	Na-12V160Ah
BATTERY SPECIFICATIONS	
Nominal Voltage	12V
Nominal Capacity	160Ah@0.5C
Min.Capacity	155Ah@0.5C
Nominal Energy	1920Wh
Min.Energy	1860Wh
Internal Resistance	≤8mΩ
Cycle Life	6000 cycles @ 80%DOD
Self Discharge	≤2% per month at 25°C & 50%SOC
STANDARD CHARGING & DISCHARGEING	
Charging Voltage	13.8V
Charging Mode	CC-CV
Recommened Charging Current	≤80A
Max.Charging Current	160A Continuous charging at this current may trigger BMS thermal protection.
Recommened Discharging Current	80A
Max. Continuous Discharging Current	160A
Max.Pulse Current	400A(<3S)
Discharging Cut-off Voltage	7.2V
OPERATING CONDITION	
Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
STRUCTURE	
Casing	Plastic
Dimension(L*W*H*TH)	502*186*240*240mm
Weight	Approx. 20.5Kg
Terminal	M8
Water Dust Resistance	IP65
Warranty	5 Years
Certification	UN38.3,MSDS