

# GREENROCK

THE SALTWATER ENERGY STORAGE SYSTEM



## **Datasheet** **Sodium Ion Based Aqueous Battery**

## Product Specification Sheet

Sodium ion based aqueous battery is a modular building block for clean energy storage systems.

The technology is clean, and sustainable, made out of non-pollutant raw materials, and non-toxic, non-corrosive PH-neutral electrolyte. The battery is a 100% recyclable green product, non-explosive and non-flammable.

Designed for years of hassle-free operation in stationary, long-duration applications, the batteries are optimized for storing energy for residential, offgrid, and microgrid applications.

Safety, and environmental sustainability in a cost-effective battery platform are offered.

## Product Performance

Testing performed at 30°C and Humidity 50%

### Operation & Performance

Nominal Energy	2,7kWh (6A charge/discharge)
Nominal Voltage	48V
Voltage Range	35V – 60V
Charging	CC (constant current)
Usable Depth of Discharge	100%
Efficiency	>85%
Maximum charge current	12A
Maximum discharge current	20A
Operating temperature	0°C – 50°C
Storage temperature	0°C – 60°C
Cycle Life	>3.000 cycles with 100% DOD

### Physical Characteristics

Height	950mm
Width	340mm
Depth	350mm
Weight	150kg

### Warranty

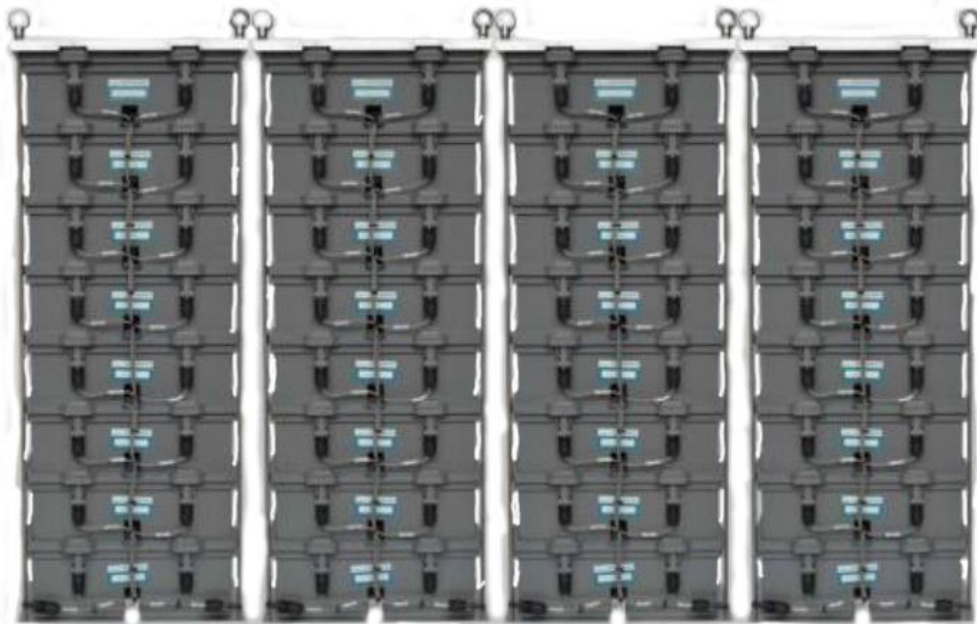
8 years	5 years full and 3 years prorated
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## Product Performance

Testing performed at 30°C and humidity round about 50%

Number of stacks	2	3	4	5	6
Nominal Energy	5,4 kWh	8,1 kWh	10,8 kWh	13,50 kWh	16,20 kWh
Normal Capacity	110 Ah	165 Ah	220 Ah	275 Ah	330Ah
Charge current	12 A	18 A	24 A	30 A	36 A
Discharge current	12 A	18 A	24 A	30 A	36 A
Operating temperature	0°C – 50°C				
Cycle life	>3.000 with 100% DOD				



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