

GREENROCK

DER SALZWASSER STROMSPEICHER

Technology & Technical Data

The GREENROCK storage system consists of Aqueous Hybrid Ion (AHI) batteries from the American company Aquion Energy. This technology has been developed and patented by Aquion Energy. AHI is based on an electrolyte of salt water, a carbon as well as a manganese oxide electrode and a cell divider made of cotton fleece. This results in a battery which is completely safe and environmentally friendly.

Advantages of this technology

- Maintenance-free – No service needed!
- Long Lifetime at 100% Discharge
- No need of an active Battery Management
- Minimal degeneration
- Non explosive, non flammable or corrosive
- No dangerous or toxic materials
- Low acquisition costs (€/kWh)

Technical Highlights

Control and Communication

Inverter:	Victron Energy
EMS:	Victron Energy
DC-Combiner:	Battery and Inverter Fusing
Communication:	Modbus-TCP

Operation

Operating Temperature:	-5 to +40 °C
Indoor/Outdoor:	Indoor

Efficiency

Cycle Life:	> 3000 Full Cycles
Depth of Discharge (DOD)	100 %

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Description of Technology

