

Sodium Series – The future Energy Storage with Sodium-Ion (Na+)



qapacity
BETTER ENERGY STORAGE



Sodium-Ion Technology

Powered by future generation Na+ battery chemistry, completely free from lithium. Built on abundant, sustainable raw materials for a safer, more stable and future-proof energy storage solution.



True Sodium-Ion Technology

Built on future generation Na+ battery chemistry, completely free from lithium. A future e-proof alternative based on abundant and sustainable raw material.

Adapted for Nordic Climates

Designed for harsh conditions, delivering stable performance from -25°C to +55°C, making it ideal for residential and commercial installations in Nordic environments.

High Safety Standards

Extremely low risk of fire, explosion and thermal runaway. One of the safest battery technologies available on the market.

Long Lifetime & Low Degradation

Over 6.000 cycles with minimum capacity loss, ensuring long-term reliability and lower total cost of ownership.

Environmentally Sustainable

No lithium, cobalt or nickel. Lower environmental impact and more responsible material sourcing.

Modular & Scalable design

Flexible modular system allowing easy expansion as energy needs grow, from single households to commercial systems.

qapacity - SODIUM SERIES - DATA SHEET



Model	Sodium Series 9,12	Sodium Series 11,40	Sodium Series 13,68	Sodium Series 15,96
Battery Chemistry	Sodium-ion	Sodium-ion	Sodium-ion	Sodium-ion
Cell Manufacturer	Veken	Veken	Veken	Veken
Cell	SIB 50160118-NFPP 50Ah	SIB 50160118-NFPP 50Ah	SIB 50160118-NFPP 50Ah	SIB 50160118-NFPP 50Ah
Cell Nominal Voltage (V)	2.85	2.85	2.85	2.85
Cell Minimum Voltage (V)	1.5	1.5	1.5	1.5
Cell Maximum Voltage (V)	3.5	3.5	3.5	3.5
Cell Energy Density (Wh/kg)	79,17	79,17	79,17	79,17
Cell Weight (kg)	1.8	1.8	1.8	1.8
Cell Configuration	1P16S	1P16S	1P16S	1P16S
BMS (Battery Management System)	Shenzhen Tian Power TechnologiesCoLtd	Shenzhen Tian Power TechnologiesCoLtd	Shenzhen Tian Power TechnologiesCoLtd	Shenzhen Tian Power TechnologiesCoLtd
Number of Modules	4	5	6	7
Nominal Energy (kWh)	9,12	12.80	15.36	17.92
Nominal Voltage (V)	182	228	274	319
Standard charge & discharge current	0,5 C	0,5 C	0,5 C	0,5 C
Max continuous charge current	2 C	2 C	2 C	2 C
Max continuous discharge current	3 C	3 C	3 C	3 C
Nominal Capacity (Ah)	50	50	50	50
Recommended Depth of Discharge (DoD)	90%	90%	90%	90%
Dimensions (H x W x D), mm	855 x 600 x 435	1023 x 600 x 435	1191 x 600 x 435	1359 x 600 x 435
Weight, kg	205	252	299	346
Placement	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Maximum and Minimum Ambient Temperature	-25 to +50	-25 to +50	-25 to +50	-25 to +50
Relative Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%
IP Rating	IP 65	IP 65	IP 65	IP 65
Built-in Heating	Yes	Yes	Yes	Yes
Cooling	Air cooling	Air cooling	Air cooling	Air cooling
Maximum Number of Parallel Systems	10	10	10	10
Communication	Modbus / CAN	Modbus / CAN	Modbus / CAN	Modbus / CAN
Number of Cycles	>60 00@100% DoD	>60 00@100% DoD	>60 00@100% DoD	>60 00@100% DoD
Off Grid Ready	Yes	Yes	Yes	Yes