



RESIDENTIAL BATTERY

MODEL SPECIFICATIONS

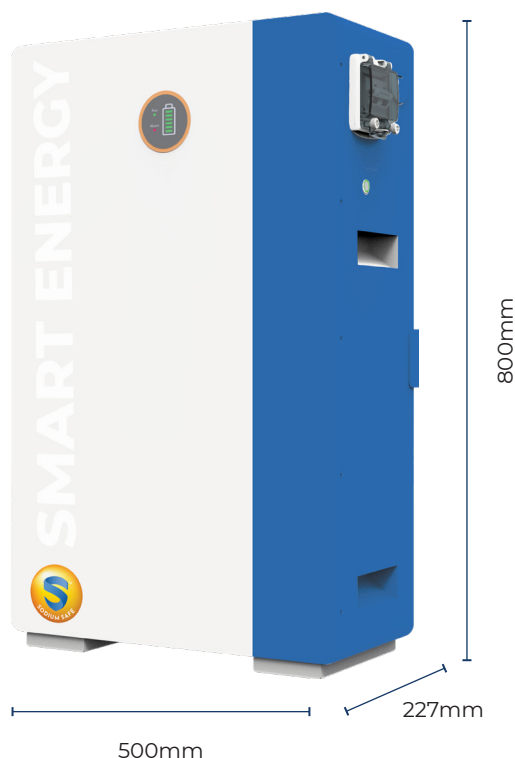




SPECIFICATIONS

SodiumSafe residential battery is the safest solar energy storage solution for powering your home.

SodiumSafe batteries come fully integrated with high quality sodium-ion prismatic cell modules and supplied with inverter and AI controller, safely ensuring a long highly effective life.



Mechanical

Dimensions (H x W x D)	800 x 500 x 227mm
Weight (approx)	112.5kg
Installation	Wall or floor mount

Electrical Characteristics

Nominal Voltage	48Vdc
Rated Capacity	160Ah
Energy	7.68kWh
Cell Technology	Sodium-ion rechargeable battery
Cycle Life	10,000 cycles@80%DOD, 25°C/0.5C
Operating Voltage	30.4~55.2Vdc
Display	SOC status indicator, LED indicator
Communication Interfaces	RS232 / RS485 / CAN
Scalability	Up to 20 units
Expansion Function	Bluetooth

Technical parameters

Charge & Discharge

Nominal Charge/Discharge Current	80A
Nominal Charge/Discharge Power	3840W
Max charge/discharge Current	158A/200A
Max charge/discharge Power	7584W/9600W
Conversion Efficiency	99%, 25°C/0.5C

Environmental

Working Environment	Under the outdoor eaves
Charging Temperature	0~55°C (32°F~131°F)
Discharging Temperature	-40~60°C (-40°F~140°F)
Storage Temperature	20°C to 45°C (68°F to 113°F) within three months; 25±3°C (77° F±5.4° F) for more than three months
Operating Storage Humidity	≤95%RH
Cooling	Natural Convection
IP Rating	IP65

Certification

UN38.3, MSDS, Marine Report, UL1973

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*Actual product may vary slightly from images or videos. Please refer to the physical product for final details. Data shown is from our supplier's laboratory, unless noted, and may vary with operating conditions. Specifications may change without notice.