

RESIDENTIAL SODIUM-ION BATTERY SERIES

WallArk-Na-48160

The WallArk-Na-48160 is a comprehensive home wall-mounted solar Na-ion battery. It features built-in high-quality, high-capacity Na-ion batteries, ensuring a long system lifespan for the battery. The independently designed Battery Management System (BMS) has been verified to be compatible with inverters from different brands, supporting hybrid grid-tied and off-grid operation modes.



● Features



Low-temperature performance

- Sodium-ion battery with excellent low-temperature performance, operating temperature ranging from -40°C to 60°C.



Stable input and output

- Sodium-ion batteries: nearly linear charge-discharge curve, 1.5V-3.6V wide operating voltage, 1V minimum discharge voltage at low temperatures



Safety and Environmental Protection

- More environmentally friendly and safer sodium-ion battery—no smoke or fire when punctured, and free of heavy metals.



Protective function

- IP65 protection rating design, supporting up to 9000 cycles, suitable for installation in complex environments.

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MODULE	WallArk-Na-48160
Electrical Characteristics	
Rated Voltage	48V(16S1P)
Rated Capacity	160Ah
Energy Storage	7680Wh
Cycle Life	9000 cycles,@DOD80%,@25°C/0.5C,@SOH70%
Scalability	Up to 20 units (7.68kWh-153.6kWh)
Charge/Discharge Standard	
Operating Voltage Recommend	32V-55.2V
Recommend Charge/Discharge Current	80A(0.5C)
Max Charge/Discharge Current	200A(1.25C)
Max Charge/Discharge Power	9600W
Cell Data	
Cell Technology	Na-ion Battery
Cell Rated Voltage	3V
Cell Operating Voltage	1.5V - 3.6V
Cell Rated Capacity	160Ah
General Data	
Communication	RS232 / CAN / RS485
Working Environment	Indoors/Under the outdoors eaves
IP Rating	IP65
Charging Temperature	0~55°C
Discharging Temperature	-40~60°C
Storage Temperature	-40~60°C
Relative Humidity	0~95%
Dimension (L*W*D)	800*500*227mm
Weight (approximately)	113±0.5kg
Installation	Wall mounted or floor
Certification	UN38.3, MSDS, Marine Report, UL1973

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product.
Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.