

# Na4850R

48V 50Ah 2.4kWh



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## FEATURES



### Longer Life and Safer

- Advance sodium-ion Battery technology
- Extraordinary long lifetime and cycle life.
- Environmental friendly, green and clean, easy recycle.



### Low Maintenance

- Battery management system with multi-level protection
- High charging efficiency



### Flexible and Expandable

- Up to 16 units in parallel
- The parallel system's max capacity is 40.0kWh



### Certification

- IEC62619 ,  
UL9540A,  
UN38.3 MSDS.


Electrical Characteristics	
Nominal Voltage	48V
Nominal Capacity	50Ah
Energy	2400Wh
Battery Chemistry	NFPP Sodium-ion battery
Cycle Life	8,000 cycles @25°C, 0.5C/0.5C
Operating Voltage	42V-58.4V
Communication Interfaces	CAN*1/RS485*2
Scalability	Up to 16 units
Charge & Discharge	
Nominal Charging Current	50A
Nominal Discharging Current	50A
Max. Charging Current	100A
Max. Discharging Current	100A
Conversion Efficiency	≈99%, 25°C/0.5C
Environmental	
Working Environment	Indoors
Charging Temperature	-10~60°C
Discharging Temperature	-40~80°C
Storage Temperature	15°C ~ +30°C
Altitude	≤4000m
Cooling Method	Natural Convection
IP Rating	IP20
Mechanical	
Dimension(W*D*H)	442mm*720mm*230mm(±2mm)
Weight(approximately)	45±2kg
Installation	Rack mount
Compliance	
IEC62619, UL9540A, UN38.3, MSDS	

\*Specifications may change without notice as part of continuous improvement.  
 \*Images are illustrative; actual product/configuration may vary.

# ZYNAVEX+

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