

ZYNAVEX+

NFPP Residential Series Energy Storage Solution

ZXRS48160W

48V 160Ah | 7.6kWh Battery System



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FEATURES



Longer Life and Safer

Engineered with sodium-ion battery technology for longer service life, safer operation, and integrated fire protection.



Low Maintenance

Bluetooth-enabled monitoring and BMS configuration.



Flexible & Expandable

Parallel-ready architecture enables up to 20 units, with total system capacity expandable to 153.6kWh.



Compliance

Supported by key transport and safety documentation, including Shipping Report, UN38.3, MSDS, and UL1973.

Technical Parameter	ZXRS48160W
Electrical Characteristics	
Nominal Voltage	48V
Rated Capacity	160Ah
Rated Energy	7680Wh
Battery Chemistry	NFPP Sodium-ion
Cycle Life	9,000 cycles @ 80% DOD, 25°C/0.5C
Operating Voltage	32V-55.2V
Communication	CAN / RS485
Scalability	Up to 20 units
Battery Management	Intelligent BMS
Fire Suppression	Built-in aerosol fire extinguishing
Charge & Discharge	
Standard Charging Current	80A
Standard Discharging Current	80A
Max. Continuous Charging Current	200A
Max. Continuous Discharging Current	200A
Conversion Efficiency	≥99% @ 25°C, 0.5C
Environmental	
Working Environment	Indoor or sheltered outdoor installation
Charging Temperature	0~55°C
Discharging Temperature	-40~60°C
Storage Temperature	20°C to 45°C (within 3 months) 25±3°C (over 3 months)
Working Altitude	≤3000m
Cooling Method	Natural Convection
Ingress Protection	IP65
Mechanical	
Dimension (L × W × D)	800 x 500 x 227mm
Weight(approximately)	113 ± 2kg
Installation	Wall-mounted or floor-standing
Smart Monitoring	
<ul style="list-style-type: none"> • Firmware OTA Updates via Built-in Bluetooth • Real-Time Battery Monitoring via Mobile App (Bluetooth) 	
Compliance	
UN38.3, MSDS, UL1973	

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General Disclaimer

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