

THE PERFECT POWER BASE FOR YOUR SETUP

RESIDENTIAL RACK MOUNT SYSTEM

R5 - 5A

51.2V - 100AH - 5.12KWH



FEATURES

Long Life & Safety



A+ LFP cells with advanced BMS protection

Expandable Design



Connect up to 12 units,
61 kWh capacity

Easy Setup



Supports residential,
commercial &
off-grid use

Smart Control



Intelligent BMS, high
charging efficiency

Certifications



UL1973,UL 9540A,UL 9540



MODEL

R5-5A

Battery Model	R5-5A
Battery System Capacity	5.12kWh
Cell Technology	Li-iron (LFP)
Battery Cell Capacity	100Ah
Configuration	1P16S
Nominal Voltage	51.2V
Operating Voltage Range	46.4V ~ 57.6V
Scalability	Max. 12 systems in parallel operation
Installation	Floor stand (standard), Wall mounted (optional)
Depth of Discharge (DOD)	90%
Battery System Charge Current (Recommended)	50A
Battery System Charge Current (Max)	100A
Battery System Discharge Current (Recommended)	50A
Battery System Discharge Current (Max)	100A
Cooling	Natural convection
Protection Class	IP20
Charging Temperature	0°C ~ 55°C (32°F ~ 131°F)
Discharging Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	5% ~ 95%
Max. Operating Altitude	2000m (6,562 ft)
Standard Compliance	More available upon request
Certificates	UL 1973, UL 9540A, UL 9540

DIMENSION AND WEIGHT

Dimension	483×450×133mm (19×17.7×5.2 inch)
Net Weight	43.8kg (96.5 lb)

COMMUNICATION INSTRUCTION

Communication	RS232, RS485, CAN
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