

Residential ESS Series

Rack-Mounted Model

RPES-RM1



Rated Voltage	51.2V	
Rated Capacity	100Ah	200Ah
Rated Energy	5.12kWh	10.24kWh
Output Voltage Range	43.2V-58.4V	
Charging Voltage	57.6-58.4V	
Cut-off Voltage	43.2V	
Max. Charging Current	100A	
Recommended Charging Current	50A	
Max. Discharging Current	100A	
Efficiency	>98%	
Dimension L*W*H(mm)	480*442*155	680*442*226
Weight (kg)	=47	=82
Humidity	5%~95%Relative humidity	
Charging Temperature	0°C-55°C	
Discharging Temperature	-20°C-60°C	
Storage Temperature	-10°C-30°C	
Cycle Life	>6000 times (0.2C, @25°C, 80%DOD)	
Design Life	>10 years	
Operating Mode	Press Button	

Optional Customization Types



Racked Placement



Customized Logo



Multiple Shell Colors



Customized Capacity

Product Details



- High Safety Standards:Reliable LFP cells with built-in BMS for maximum protection.
- Long Lifespan:Over 6000 cycles at 80%DoD,ensuring lasting performance.
- Flexible Monitoring:Optional LCD display,Bluetooth,and WiFi for convenient tracking.
- Wide Compatibility:Works with most inverters for easy system integration.
- Expandable Capacity:Can be expanded in parallel to meet growing energy needs.