



**ARPT**  
RdpbhePower Expan

# RESIDENTIAL — SERIES

www.rpt-battery.com

## Residential Energy Storage

Based on the low-carbon concept, and thanks for the competitiveness of the energy storage technology, the residential application of PV+ESS will be gradually realized in global areas. Residential hybrid system solutions can quickly respond to EMS dispatching instructions, and form an intelligent and friendly power supply system with rooftop PV, making electricity safer. RPT system is designed to operate perfectly with the grid to realize uninterrupted power supply for the HOME.

### Wheel-Mounted Model

#### Optional Customization Types



Multiple Modes Of Operation



Customized Logo



Multi-language Display



Multiple Shell Colors



Customized Capacity



Customized Screen



#### Product Details



- Advanced Safety:Reliable LFP cells with intelligent BMS for secure operation.
- Long Lifespan:6000+cycles at 80%DoD,supported by a 5-year warranty.
- Smart Monitoring:Optional LCD,Bluetooth,and WiFi for real-time tracking.
- Wide Compatibility:Compatible with most inverters for easy integration.
- Scalable Design:Expandable up to 16 units to meet growing energy needs.

### RPES-W3

Rated Voltage	25.6V	51.2V	51.2V	51.2V	51.2V
Rated Capacity	200Ah	100Ah	200Ah	280Ah	560Ah
Rated Energy	5.12kWh	5.12kWh	10.24kWh	14.34kWh	28.67kWh
Output Voltage Range	21.6V~29.2V	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V
Charging Voltage	28.8~29.2V	57.6~58.4V	57.6~58.4V	57.6~58.4V	57.6~58.4V
Cut-off Voltage	21.6V	43.2V	43.2V	43.2V	43.2V
Max.Charging Current	150A	100A	150A	200A	200A
Recommended Charging Current	50A	50A	50A	100A	100A
Max.Discharging Current	150A	100A	150A	200A	200A
Efficiency	>98%	>98%	>98%	>98%	>98%
Dimension L*W*H (mm)	600*480*200	600*480*200	750*640*200	700*550*255	850*870*255
Weight (kg)	=45	=45	=95	=117	=215
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	Touch Screen				