

RESIDENTIAL ESS SERIES

RPES-W2(51.2V300)  
LiFePO4 Lithium Battery

Wheel-Model

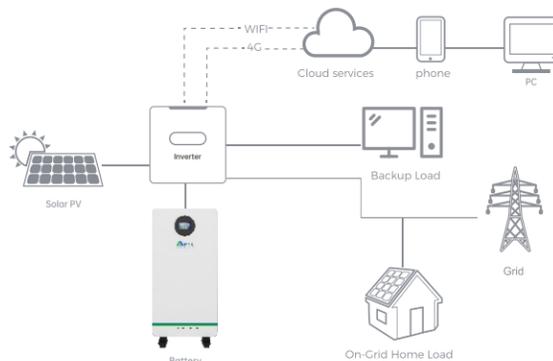


Product Features

- Easily movable with built-in wheels, offering unmatched convenience
- Provides abundant power with 51.2V300Ah capacity, ensuring long-lasting energy storage
- Simple installation for seamless integration into residential systems
- Equipped with built-in safeguards against overcharging and over-discharging for ultimate safety
- Conveniently monitor battery status and control from anywhere, adding a modern touch to your energy management
- Delivers consistent and reliable power supply, ensuring uninterrupted performance for your residential needs



- 1 LCD Display Screen
- 2 Positive Terminal
- 3 Negative Terminal
- 4 RST Button
- 5 RUN Lighting
- 6 ALM Lighting
- 7 SOC Lighting
- 8 Dry Contact
- 9 RS485A
- 10 CAN
- 11 RS232
- 12 RS485B
- 13 Switch
- 14 Metal Handle
- 15 Ground Wire
- 16 Wheel



Model	RPES-W2 (51.2V 300Ah)
Rated Voltage	51.2V
Rated Capacity	300Ah
Rated Energy	15.36kWh
Output Voltage Range	43.2V~58.4V
Charging Voltage	57.6~58.4V
Cut-off Voltage	43.2V
Max. Charging Current	200A
Recommended Charging Current	100A
Max. Discharging Current	200A
Efficiency	>98%
Dimension L*W*H ( mm )	825*413*233
Weight ( kg )	≈115
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

Application scenarios



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