



Nebula Series

NES-R48412

51.2V 412Ah 21.09KWh



The NES-W48412 is a high-performance solar lithium battery designed for residential energy storage. Equipped with an intelligent BMS, it monitors and optimizes battery performance in real time, extending service life and enabling convenient remote monitoring via mobile app. The wall-mounted design allows easy installation and space saving. It also provides reliable backup power for home appliances, ensuring energy security in various situations.

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FEATURES



Multi-Scenario

- With optional detachable wheels, the battery also offers mobile energy storage function
- Multi-language support: Chinese/English/Arabic etc.



Longer Life and Safer

- A+ grade lithium iron phosphate



Low Maintenance

- Firmware update service via built-in bluetooth
- Check battery operation status and configure BMS via bluetooth



Flexible and Expandable

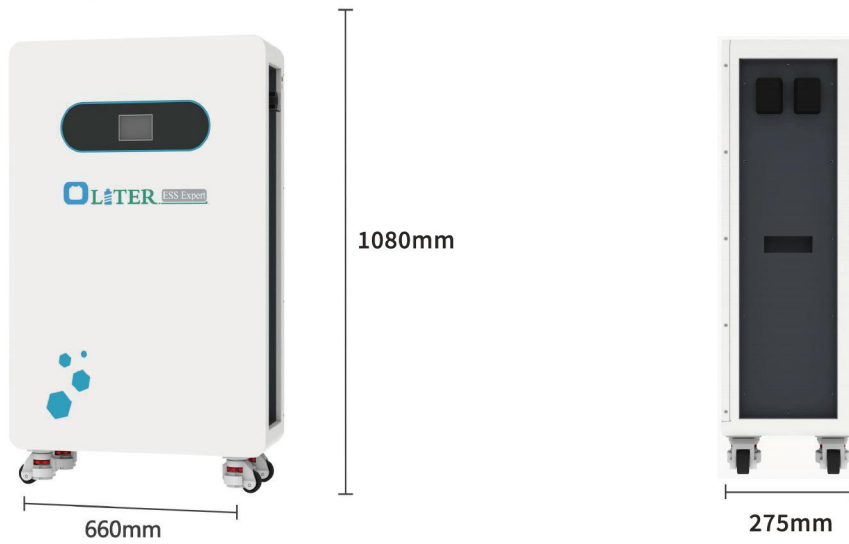
- Up to 15 units in parallel



Certification

- UN38.3, MSDS, IEC62619, CE

Dimensions



Model	NES-R48412
Rated Capacity(Ah)	412
Battery Type	LiFePO4
Rated Voltage(V)	51.2
Voltage Range(V)	44.8-57.6
Rated Energy(kWh)	21.09
Recommend Charging&Discharging Current(A)	157
Max.Charge&Discharging Current(A)	200
Net Weight(kg)	205
DimensionW*H*D(mm)	660*1080*275
Depth of Discharge	90%
Recomended Charge & Discharge C Rate	0.5C
Expansion	Up to 15 units in parallel
Installation	Floor-mounted
Communication	RS485&CAN&RS232
Ingress Protection	IP20
Cycle Life*	≥6000@25°C
Operating Temperature Range	Charge: 0°C to 50°C, Discharge:-20°C to 50°C
Monitoring & Protection	Each system has smart BMS, bluetooth module in battery
Safety Certificate	CE/IEC62619/UN38.3/MSDS

*Test conditions: 0.5C Charging & Discharging, @25°C

