

# Nebula Series

NES-W48100

51.2V100Ah 5.12kWh



The NES-W48100 is a wall-mounted lithium battery designed for residential solar energy storage. It uses high-quality, large-capacity LiFePO4 cells to ensure long cycle life and reliable performance. The integrated BMS has been tested for compatibility with various inverter brands, supporting hybrid as well as off-grid systems.

**Jiangsu Oliter  
Energy Technology  
Co., Ltd**

## 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

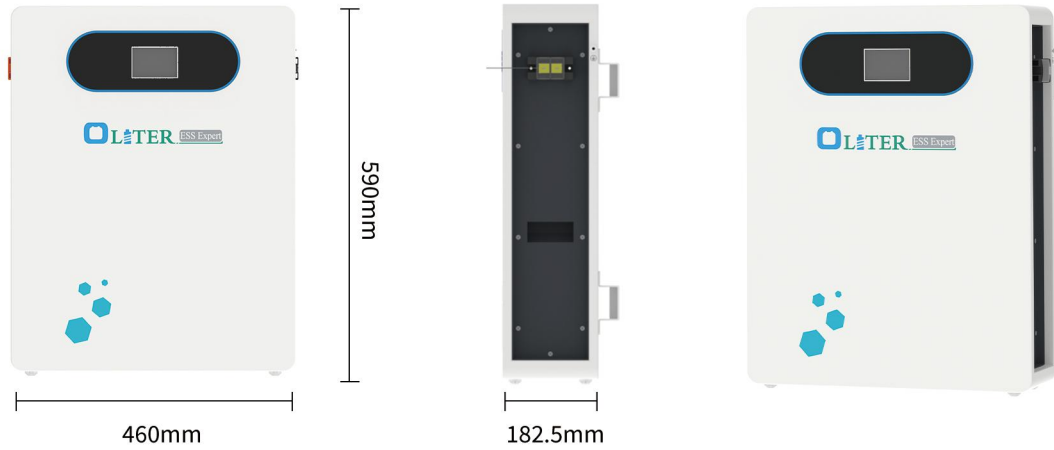
- Up to 15 units in parallel



### Certification

- UN38.3, MSDS, IEC62619, CE

## Dimensions



Model	NES-W48100
Rated Capacity(Ah)	100
Battery Type	LiFePO4
Rated Voltage(V)	51.2
Voltage Range(V)	44.8-57.6
Rated Energy(kWh)	5.12
Recommend Charging&Discharging Current(A)	50
Max.Charge&Discharging Current(A)	100
Net Weight(kg)	50
DimensionW*H*D(mm)	460*590*182.5
Depth of Discharge	90%
Recomended Charge & Discharge C Rate	0.5C
Expansion	Up to 15 units in parallel
Installation	Wall-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

