



# ENERGY INDEPENDENCE WITH OUR SOLAR STACKABLE BATTERY system

Compatible with all major inverter brands

51.2V 100AH 5.12 KWH  
51.2V 200AH 10.24 KWH  
51.2V 300AH 15.36 KWH  
51.2V 400AH 20.48 KWH  
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[www.dodnewenergy.com](http://www.dodnewenergy.com) | [sales@dodnewenergy.com](mailto:sales@dodnewenergy.com)  
51# Back Street, Tianxiang Road, Chengdu, Sichuan, China



**DOD**  
NEW ENERGY



## **STORE PV ENERGY IN BATTERY, USE AT NIGHT LOWER YOUR ELECTRICITY BILL ACHIEVE ENERGY INDEPENDENCE**

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As most family's daily routine, in the daytime we go to work or school so little electricity is consumed, at night, we come back home and our household consumes much more electricity,

while PV system acts just the opposite—solar panels produce more electricity in the daytime but zero electricity at night.

Therefore, the excess electricity you have not had time to use will enter the grid, and you will need to buy it back at a high price, which is a BAD deal.

### **SO HOW TO DO ?**

Power storage system is the right answer.

with our ULTIMATE POWER WALL, you can store your solar power in the daytime and use it whenever you need, including nighttime or those days with very bad

What's more, you are also contributing to the climate.

# STACKABLE BATTERY SYSTEM



## HIGH EFFICIENCY BATTERY

- First class 3.2V battery cell
- LiFePO4 technology
- Max 100A charge & discharge capability
- Modern and space-saving design



## FLEXIBLE UPGRADEABLE

- 5kwh per Battery Modular.
- Suitable for back-up systems



## LONG WORKING LIFE

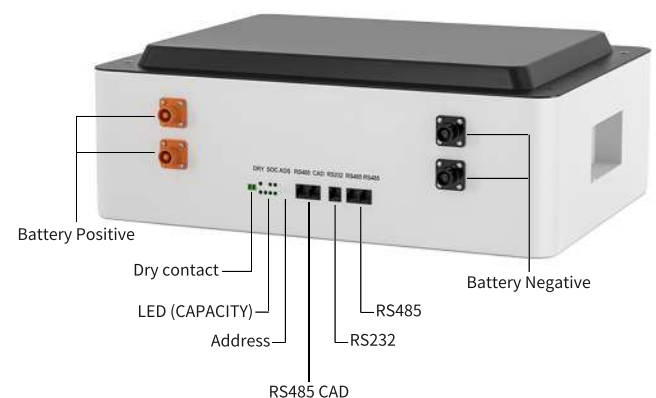
- Advance battery management system (BMS), balance charge & discharge of each battery
- over 3000 times life cycle
- long service life

## EASY INSTALLATION

- Modular concept and simple wiring
- Easy transport and installation

## OPTIONAL PROTOCOLS

- RS485
- RS232
- CAN



## Electrical Characteristics

Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5120Wh
Internal Resistance	≤30mΩ
Cycle Life	>3000 Cycles
Months Self Discharge	<3%
Efficiency of Charge	100% @0.2C
Efficiency of Discharge	96~99% @1C

## Mechanical

Cell & Method	3.2V100AH-16S1P
Shell Material	Iron shell
Dimensions (in./mm.)	580*430*200MM
Weight (lbs./kg.)	46.3Kg
Terminal	100A through terminal
Protocol (optional)	RS485/RS232/CAN
BMS	16S100A

## Standard Charge

Charge Voltage	58.4±0.2V
Charge Mode	0.2C to 58.4V, then 58.4V, charge current 0.02C(CC/CV)
Charger Current	50A
Max. Charge Current	100A
Charge Cut-off Voltage	58.4V±0.2V

## Environmental

Charge Temperature	0°C to 45°C (32F to 113F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0°C to 40°C (32F to 104F) @60±25% Relative Humidity
Water Dust Resistance	IP65

## Standard Discharge

Continuous Current	100A
Max. Pulse Current	300A(30S)
Discharge Cut-off Voltage	40V

