NXW-48 Tower Energy Storage Battery
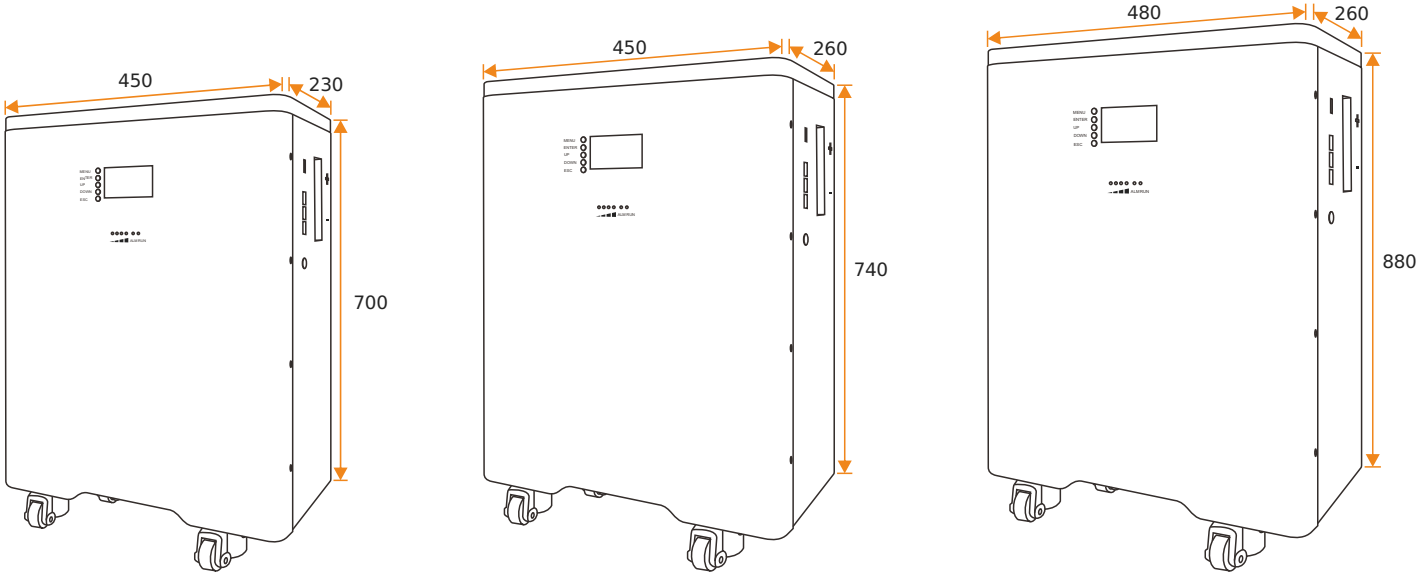
Foshan Neexgent Energy Co.,Ltd.

Product Overview

Power your home and electric vehicle with renewable energy you control and reduce your reliance on the grid.

With solar, you typically generate more clean energy than you need. By combining with **NXW-48**, a rechargeable home battery, you can store excess energy from your solar panels for use anytime—even during a power outage.

WARRANTY
5 YEAR
WARRANTY

Cycles life
6000+

TÜV   CE   ISO   RoHS   UL   MSDS

Product Parameters

Note unit: **mm**

450   230
700

450   260
740

480   260
880

Model	NXW-48100	NXW-48200	NXW-48300
Usable Capacity	5KWH	10KWH	15KWH
Voltage	48V	48V	48V
Rated Voltage	51.2V	51.2V	51.2V
Charge Voltage	57.6V	57.6V	57.6V
Discharge Voltage Range	48-57.6V	48-57.6V	48-57.6V
MAX. Charge & Discharge Current	100A	200A	300A
Rated Charge & Discharge Current	50A	100A	150A
MAX. Output Power	5120W	10240W	15360W
Recommend Output Power	3000W	6000W	9000W
Weight(kg)	126kg	183kg	240kg
DOD	≥95	≥95	≥95
Modules Connection	15in parallel	15in parallel	15in parallel
Communication	CAN&RS485	CAN&RS485	CAN&RS485
Waterproof	IP33	IP33	IP33
Cycle Life	≥6000	≥6000	≥6000

Product Features

❶ Stronger Iron Phosphate-lithium power battery

❷ Higher energy density,smaller volumn for household.

❸ Photovoltaic system:this battery pack is designed for household photovoltaic systems.

❹ Expandability: this battery pack can be easily expanded by adding expansion battery packs in parallel connection.
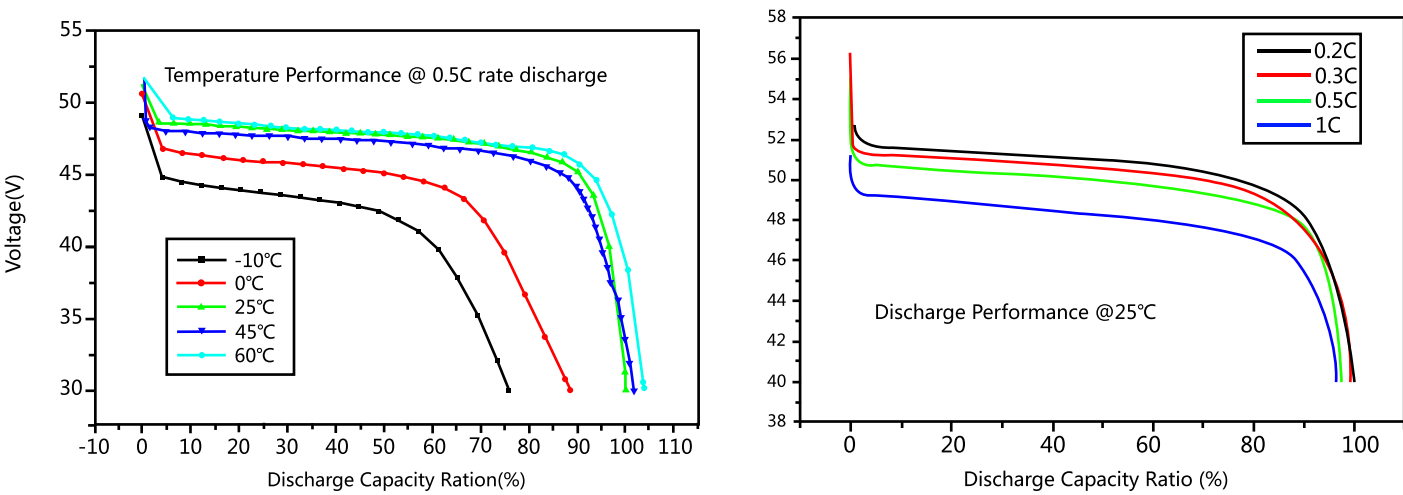
❺ Long warranty period: 5years

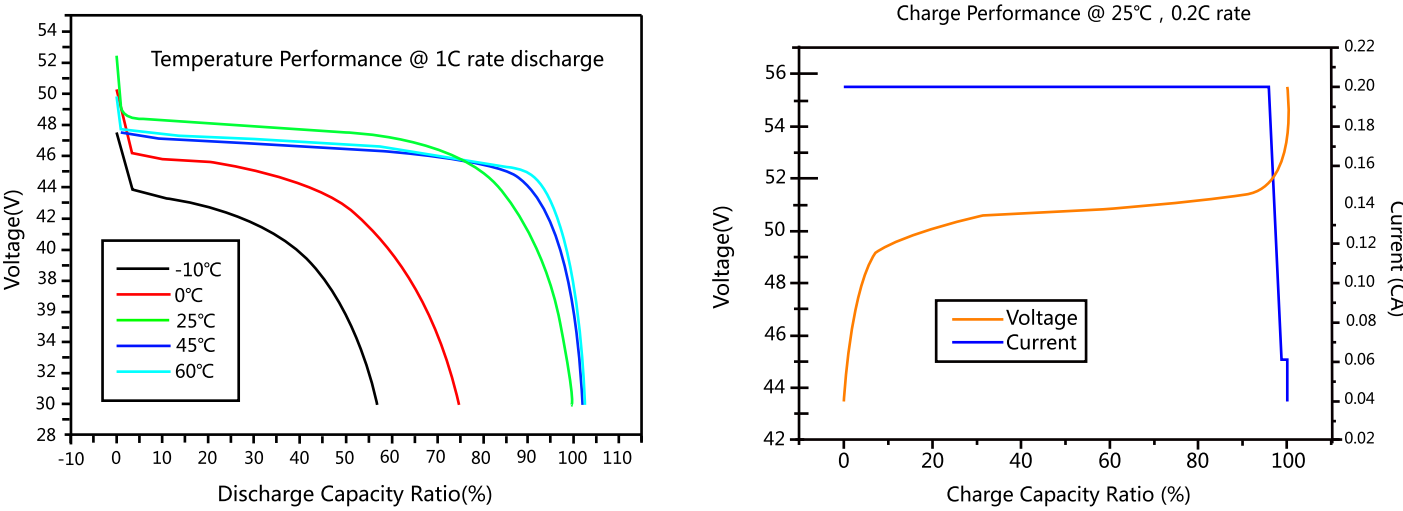❻ Support Connected in parallel mode for expansion.

❼ Battery management system(BMS):the battery packs built-in BMS monitors its operation and prevents the battery from operating outside design limitations.
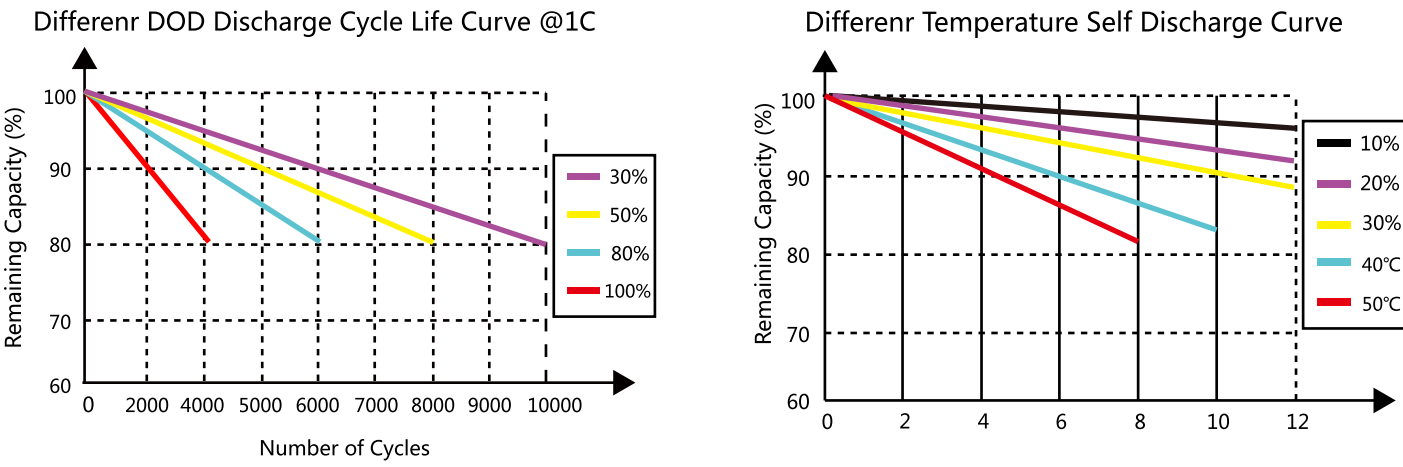
Charging And Discharging Chart

Different Current/temperature Discharge Curves

Temperature Performance @ 0.5C rate discharge

Voltage(V) / Discharge Capacity Ration(%)

- -10℃
- 0℃
- 25℃
- 45℃
- 60℃

Discharge Performance @25℃

- 0.2C
- 0.3C
- 0.5C
- 1C

Voltage(V) / Discharge Capacity Ratio (%)

Charging And Discharge Curve

Temperature Performance @ 1C rate discharge

Voltage(V) / Discharge Capacity Ratio(%)

- -10℃
- 0℃
- 25℃
- 45℃
- 60℃

Charge Performance @ 25℃ , 0.2C rate

Voltage(V) / Current (CA) / Charge Capacity Ratio (%)

- Voltage
- Current

Cycle Life Curve

Differenr DOD Discharge Cycle Life Curve @1C

Remaining Capacity (%) / Number of Cycles

- 30%
- 50%
- 80%
- 100%

Differenr Temperature Self Discharge Curve

Remaining Capacity (%)

- 10℃
- 20℃
- 30℃
- 40℃
- 50℃

Equipment Interface Instruction

+Power Terminal

-Power Terminal

❶ Function Switch
(1)ON: starting
(2)OFF: Power off for storage or transportation

❷ CAN Communication Terminal
CAN : Usage to connecting with inverter or master battery pack

❸ ❹ Rs485 Communication Terminal
RS485: For Connecting with inverter and slave battery

❺ Dry Contact Output Description
（1)Dry contact 1-PIN1 to PIN2:
    normally open, low battery closed
(2)Dry contact 2-PIN3 to PIN4:
    normally open, closed during fault protection

❻ Multifunctional Control Panel
Equipped with LCD display screen and various function buttons

Your NXW-48 Ecosystem

❶ Solar Panels
Solar panels convert the sun's rays into usable energy for your home and tops up your **NXW-48** with clean energy to use when you need it

❷ Solar Inverter
Battery independent design
Configurable AC/PV output usage timer and prioritization Selectable high power charging current

SElectable input voltage range for home appliance and personal computers Compatible to Utility Mains or generator input
Built-in anti-dust kit

❸ Power Everything
NXW-48 continuous and peak power output allows you to power everything from your lights and refrigerator to your washing machine

❹ NXW-48 Tower Energy Storage Battery
A home battery that stores excess energy from your solar panels for use day or night to self-power your home and vehicle, even during a blackout
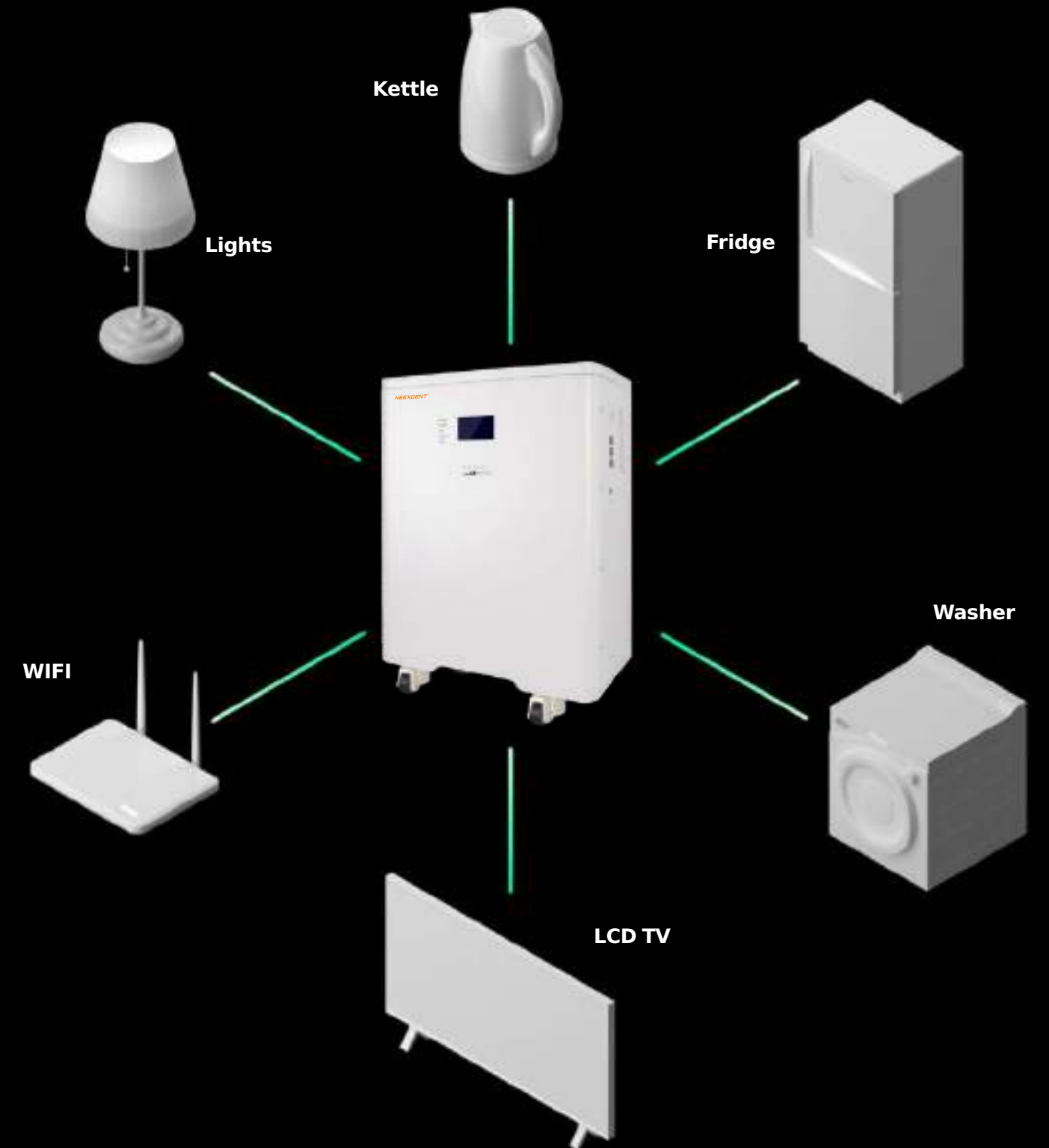
Power your home and top up your NXW-48

And use your stored clean energy at night

A Battery to Power Everything

NXW-48 can detect a power cut, disconnect from the grid and automatically restore power to your home within a fraction of a second. With **NXW-48** continuous power output, your home or business keeps running with little disruption.

Kettle

Lights

Fridge

WIFI

Washer

LCD TV