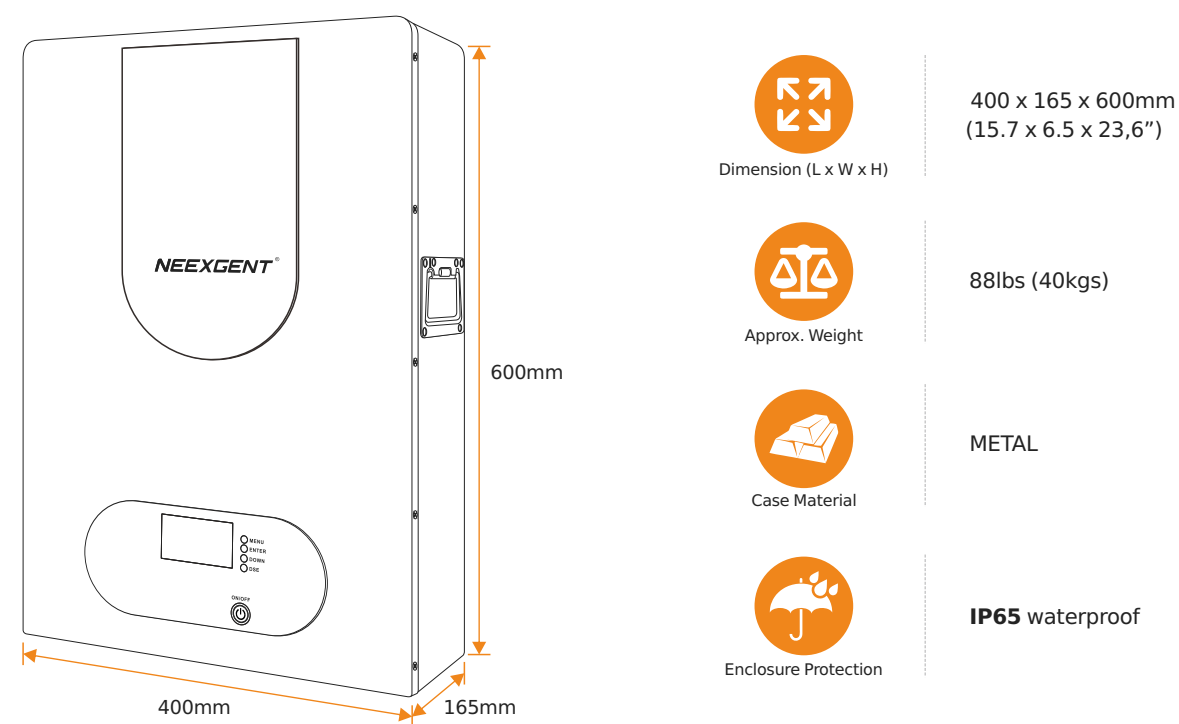## Product Overview

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 **NX-48100**, a rechargeable home battery, you can store excess energy from your solar panels for use anytime—even during a power outage.
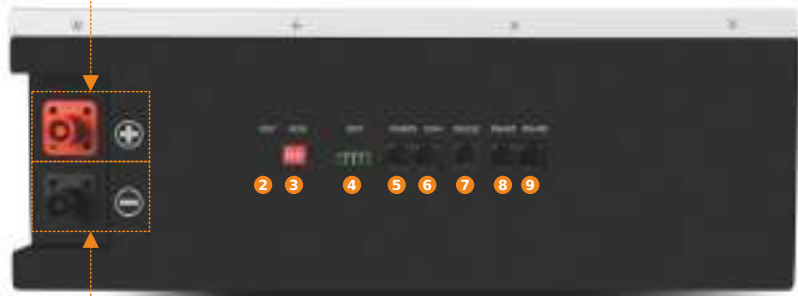
WARRANTY
5 YEAR
WARRANTY

Cycles life
6000+

TÜV   ISO 14001   CE   ISO   UL   MSDS

Product Parameters

Dimension (L x W x H)
400 x 165 x 600mm
(15.7 x 6.5 x 23,6")

Approx. Weight
88lbs (40kgs)

Case Material
METAL

Enclosure Protection
IP65 waterproof

600mm
400mm
165mm

ELECTRICAL PERFORMANCE

Nominal Voltage	51.2V
Nominal Capacity	100 Ah
Capacity @ 20A	300 min
Energy	5120Wh
Communication	CAN2.0/RS232/RS485
Resistance	≤0.5 mΩ @ 50% SOC
Efficiency	>96%
Module Parallel	Up to 15 packs
Cycle Life	≥6000
Warranty	5 years

CHARGE PERFORMANCE

Recommended Charge Current	100A
Maximum Charge Current	100A
Recommended Charge Voltage	57.6V
BMS Charge Cut-Off Voltage	<58.4 V (3.65V/Cell)
Reconnect Voltage	>57.6 V (3.6V/Cell)
Balancing Voltage	<57.6 V (3.6V/Cell)
Maximum Batteries in Series	16 (*Consult NEEXGENT)
Charge Temperature	−4~113 °F(0~45 ℃)

DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	100 A
Peak Discharge Current	110 A (3s)
BMS Discharge Cut-Off Current	150 A (300ms)
Balancing open voltage	55.2V (3.45V/Cell)
Recommended Low Voltage Disconnect	44 V (2.75V/Cell)
BMS Discharge Cut-Off Voltage	>32.0V (2s) (2.0V/Cell)
Reconnect Voltage	>40.0 V (2.5V/Cell)
Short Circuit Protection	250 ~ 500 μ s
Discharge Temperature	−4~ 131 °F(-20 ~55 ℃)

Charging And Discharging Chart

Y2：Voltage(V) **Y3：Current(mA)**

Y2：Voltage(V) **Y3：Current(mA)**

Equipment Interface Instruction

+Power Terminal

-Power Terminal

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

❷ RST
(1)Long press for more than 0.5s to start the battery
(2)Long press for more than 5 seconds to turn off the battery

❸ ADDS
DIP switch setting instructions

❹ 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

❺ ❽ ❾ Rs485 Communication Terminal
RS485: For Connecting with inverter and slave battery

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

❼ Rs232 Communication Terminal
Rs232 (Adjustin g) : RS232 connecting with upper computer to let manufacturer or professional engineer to process

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Your NX-48100 Ecosystem

❶ Solar Panels

Solar panels convert the sun's rays into usable energy for your home and tops up your **NX-48100** 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

NX-48100 continuous and peak power output allows you to power everything from your lights and refrigerator to your washing machine

❹ NX-48100 Power wall 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
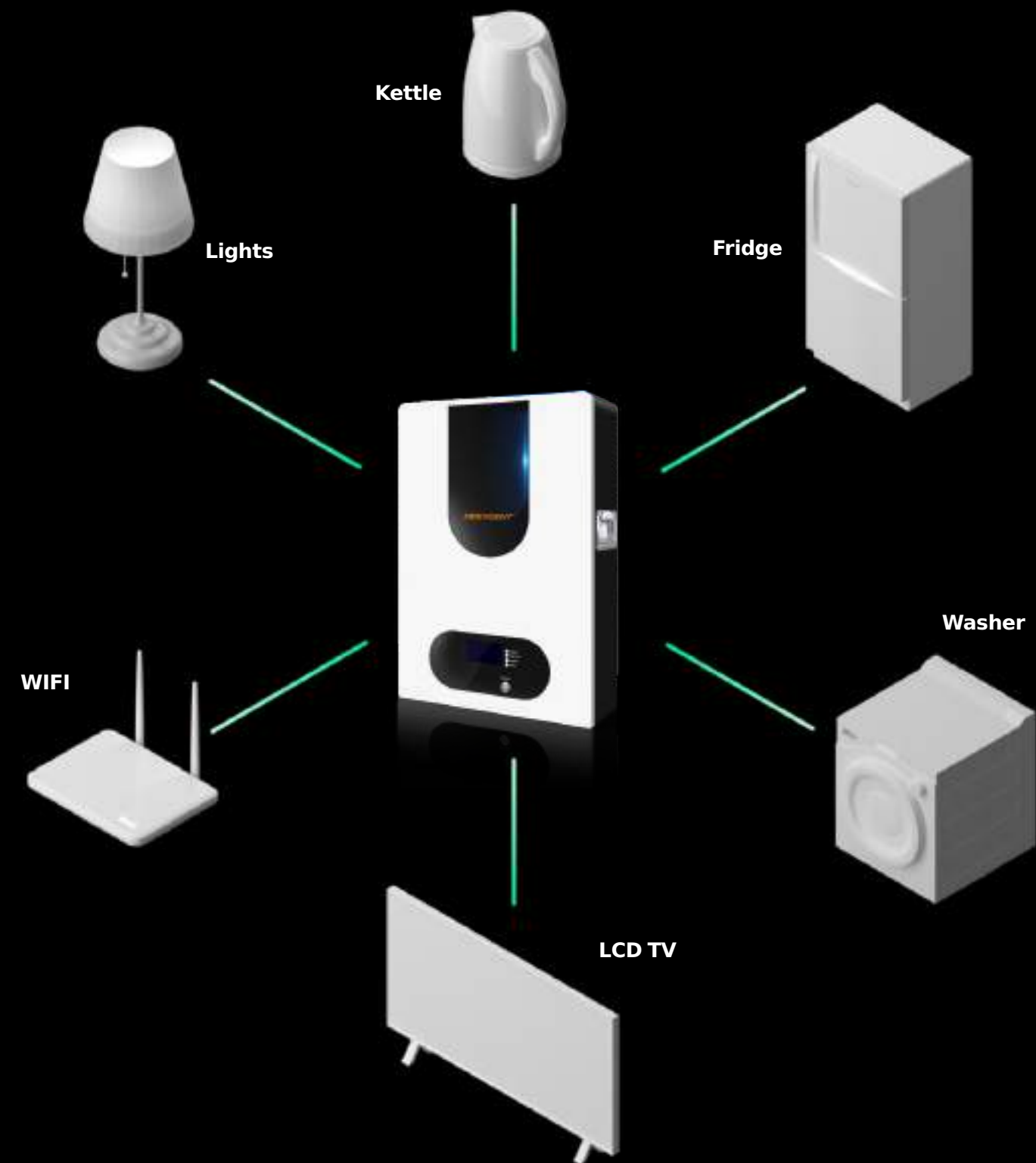
Power your home and top up your NX-48100

And use your stored clean energy at night

A Battery to Power Everything

NX-48100 can detect a power cut, disconnect from the grid and automatically restore power to your home within a fraction of a second. With **NX-48100** continuous power output, your home or business keeps running with little disruption.

Kettle

Lights

Fridge

WIFI

Washer

LCD TV

Make Your Own Style

We can design according to your company's VI style, and we will try to cooperate with you in order to get your approval and make the final result satisfactory.

YOUR LOGO

YOUR LOGO

YOUR LOGO

YOUR LOGO

NEEXGENT ®

Thank You!

We can provide a complete package to fully power your home and vehicle with solar energy system

20mm

170mm

115mm

115mm

280mm

LOGO

LOGO

154mm

Design area A

MENU
ENTER
DOWN
DBE

249mm

MENU
ENTER
DOWN
DBE

109mm

ON/OFF

Design area B

www.neexgent.com