



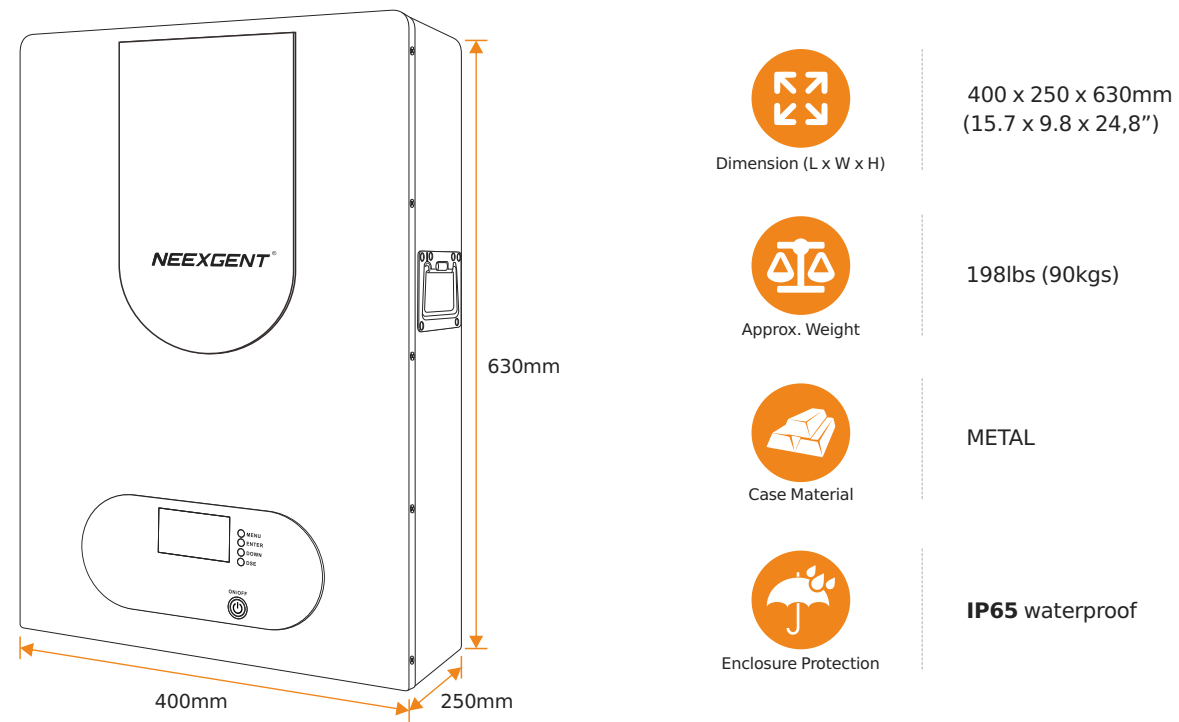
Product Overview

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-48200**, a rechargeable home battery, you can store excess energy from your solar panels for use anytime—even during a power outage.



Product Parameters



ELECTRICAL PERFORMANCE

| | |
|------------------|--------------------|
| Nominal Voltage | 51.2V |
| Nominal Capacity | 200 Ah |
| Capacity @ 20A | 300 min |
| Energy | 10240Wh |
| 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 | 200A |
| Maximum Charge Current | 200A |
| 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 °C) |

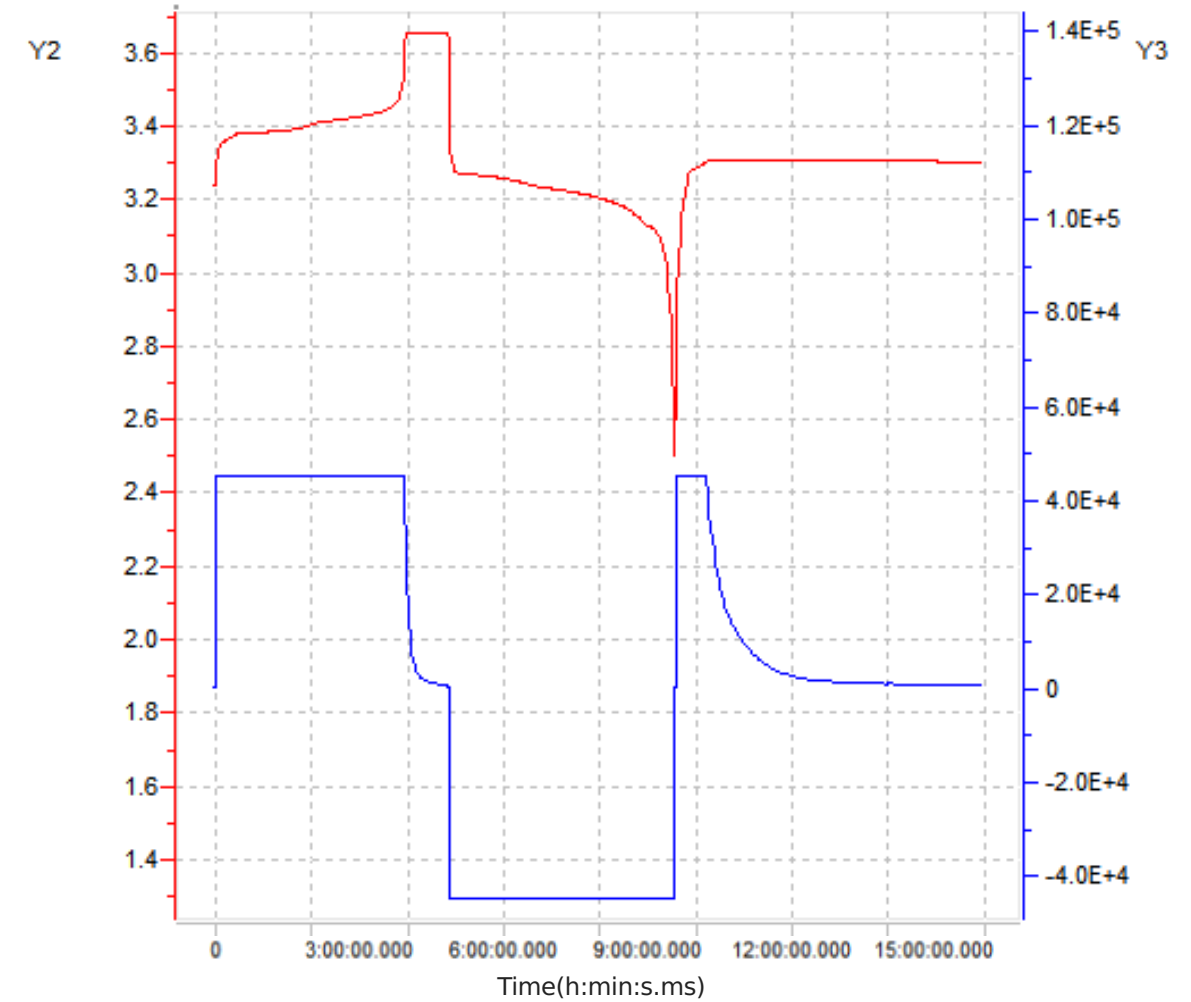
DISCHARGE PERFORMANCE

| | |
|--------------------------------------|-------------------------|
| Maximum Continuous Discharge Current | 200 A |
| Peak Discharge Current | 205 A (3s) |
| BMS Discharge Cut-Off Current | 250 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 μs |
| Discharge Temperature | -4~ 131 °F(-20 ~55 °C) |

Charging And Discharging Chart

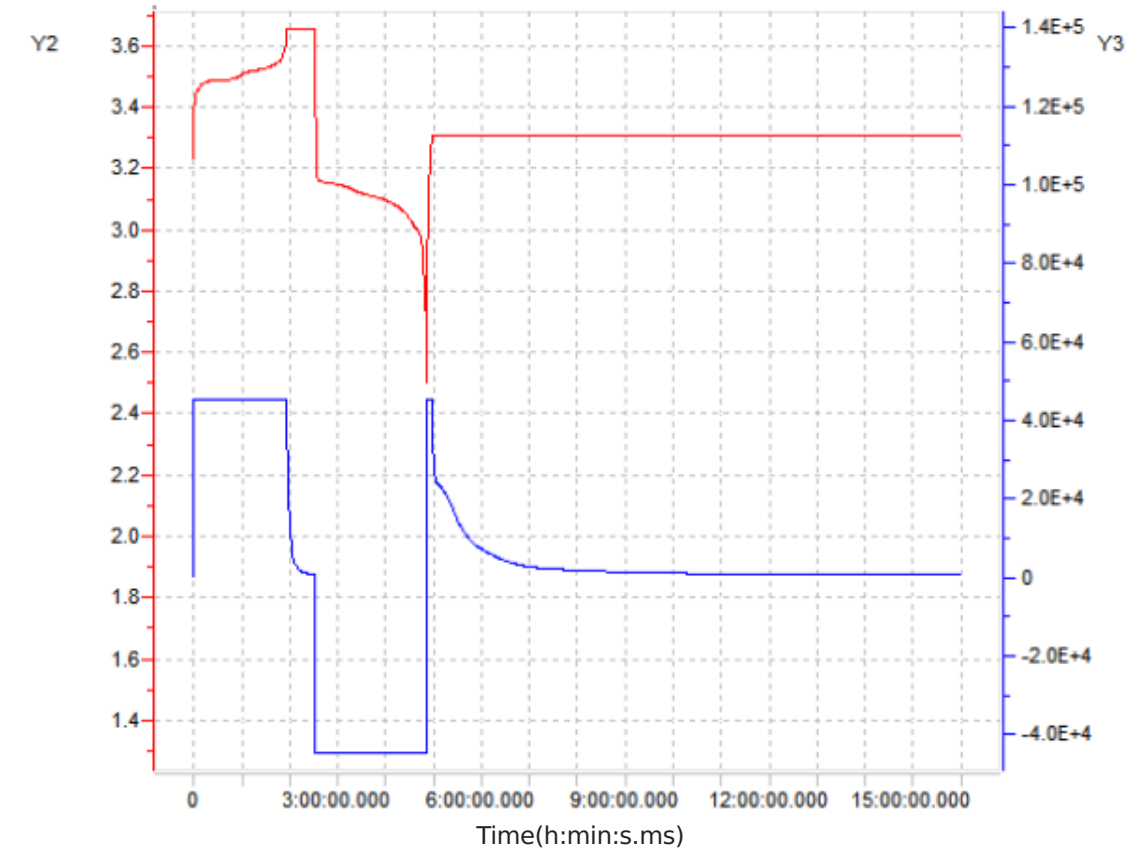
Y2: Voltage(V)

Y3: Current(mA)



Y2: Voltage(V)

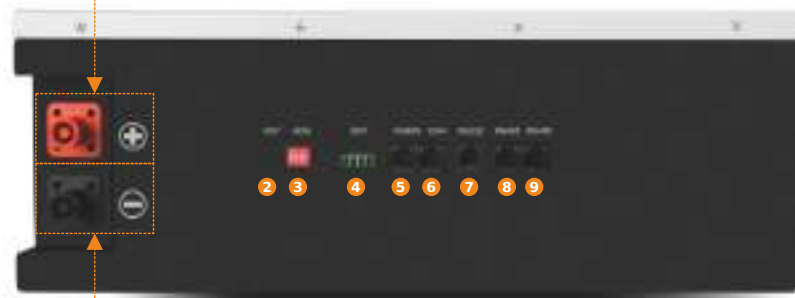
Y3: Current(mA)



Equipment Interface Instruction



+Power Terminal



-Power Terminal

1 Function Switch

- (1) ON: starting
- (2) OFF: Power off for storage or transportation

2 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

3 ADDS

DIP switch setting instructions

4 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

5 8 9 Rs485 Communication Terminal

RS485: For Connecting with inverter and slave battery

6 CAN Communication Terminal

CAN : Usage to connecting with inverter or master battery pack

7 Rs232 Communication Terminal

Rs232 (Adjusting) : RS232 connecting with upper computer to let manufacturer or professional engineer to process

Your NX-48200 Ecosystem

1 Solar Panels

Solar panels convert the sun's rays into usable energy for your home and tops up your **NX-48200** with clean energy to use when you need it

2 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

3 Power Everything

NX-48200 continuous and peak power output allows you to power everything from your lights and refrigerator to your washing machine

4 NX-48200 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-48200

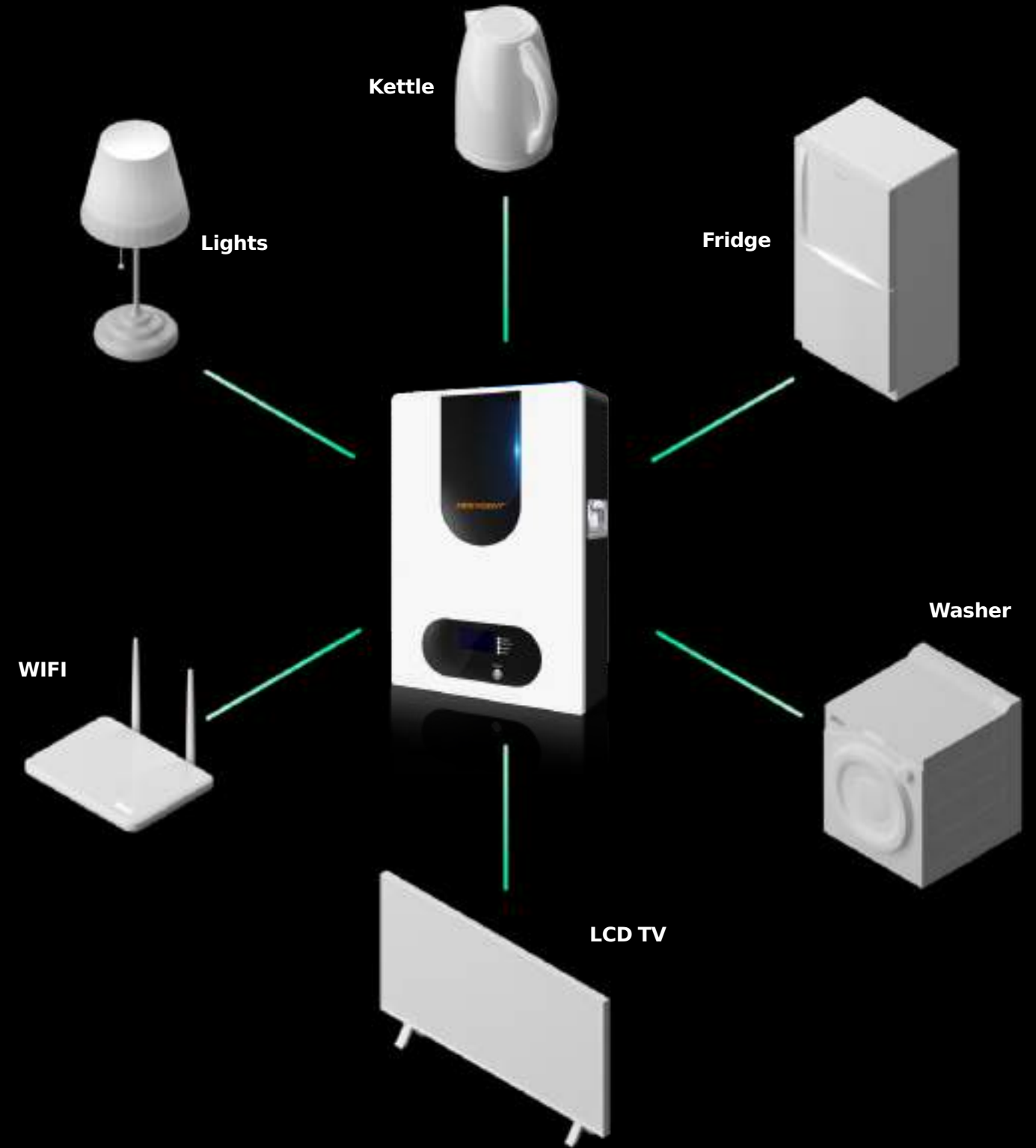


And use your stored clean energy at night



A Battery to Power Everything

NX-48200 can detect a power cut, disconnect from the grid and automatically restore power to your home within a fraction of a second. With **NX-48200** continuous power output, your home or business keeps running with little disruption.



Make Your Own Style

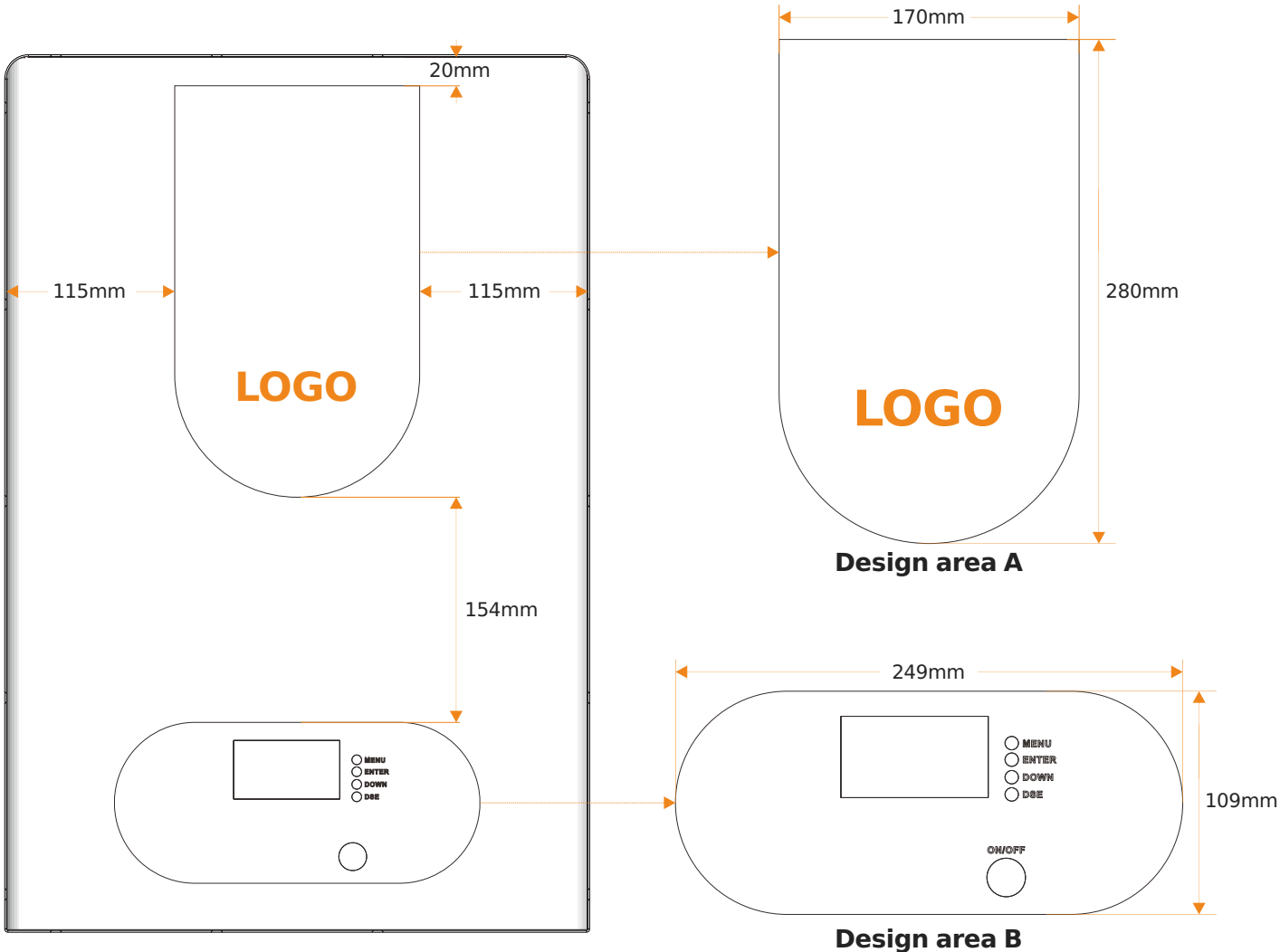
We can design according to your company's VI style, and we will try to cooperate with you in order to get your approval and make the final result satisfactory.



NEEXGENT[®]

Thank You!

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



 www.neexgent.com