

New

NEXA 2000

All-in-one Balcony Solar Storage



Effortless Installation, Endless Energy

AC Output

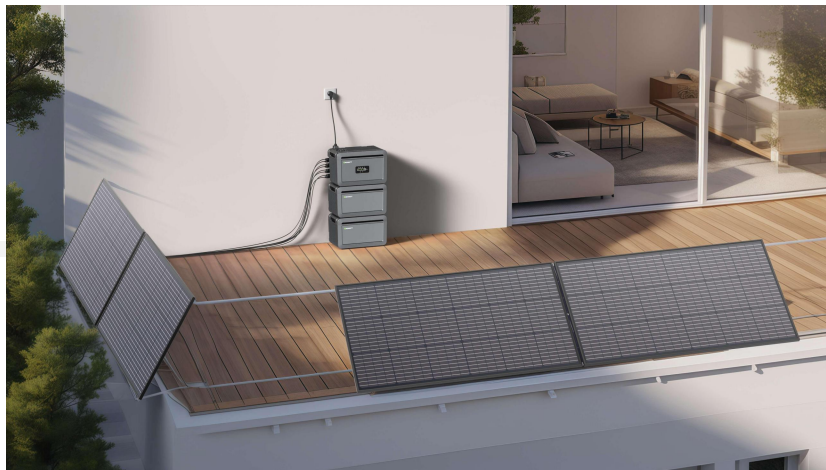
Up to 800W AC output

800W
AC Output

Solar Panel

Compatible with up
to 4*650W solar modules

2600W
solar panels connection



Battery

capacity of up to 2048Wh,
flexible expansion up to 8kWh

8kWh

Smart APP

monitor, control, distribute and upgrade

APP

SPECIFICATIONS

NEXA 2000

All-in-one Balcony Solar Storage



Features

PV Input

Max PV input power	2600W max
Max. PV input voltage	60V
MPPT full power voltage range	32.5-60VDC
PV input voltage range	16-60VDC
Number of MPPT channel	4
No. of PV strings per MPPT channel	1
PV input current per string	20A

On-grid Port

AC Output	230Va.c., 50/60Hz, 800W
Max AC Output Current	3.5A
AC Input	230Va.c., 50/60Hz, 700W
Max AC Input Current	3A
AC grid connection type	Single Phase, L/N/PE
Power Factor	>0.99(-0.8~+0.8)
THDI	<3%

SPECIFICATIONS

NEXA 2000

All-in-one Balcony Solar Storage



VERSATILE AC PORT

ON-GRID PORT

Versatile AC Port

Rated off-grid AC output power	800W
Nominal output voltage	230V
Max Output Current	3.5A Max

Battery Specifications

Battery type	LiFePO4
Battery capacity	2048Wh
Max. expansion capacity	8192Wh
Max. charging power	2000W max
Rated voltage	51.2V

General

Charging/Discharging temperature range*	0°C ~ 50°C/-20°C ~ 55°C
Dimensions(W/D/H)	406*255*290 mm
Weight	≈24 kg
Protection level	IP66
Interface	LED & APP
WiFi/Buletooth	Supported
Warranty	10 years

Certification

VDE-AR-N 4105: 2018, TOR Erzeuger Type A,
EN 50549, CE, IEC 62109,
IEC 62619, IEC 62477, Rohs, Reach, UN38.3

*Support -20° C startup and automatically self-heat the device for a certain time to the charge temperature range.

SPECIFICATIONS

NEXA 2000

Expansion Battery



Features	Descriptions
Model Name	NEXA 2000 Expansion Battery
Rated Capacity	2048Wh
Charging Power	2000W Max(Add-On Battery)
Discharging Power	800W Max
Net Weight	≈20Kg
Dimensions (L*W*H)	406*235*270mm
Battery Nominal Voltage	51.2VDC
Charge/Discharge Current	40A/60A DC
Expandable battery Quantity	3

A modern two-story cabin with dark wood siding and a steep gabled roof. The roof is covered with solar panels. Large windows and glass doors on both floors are illuminated from within, showing a warm interior. A balcony with a metal railing is on the second floor. The cabin is surrounded by tall evergreen trees. The text "Effortless Installation, Endless Energy" is overlaid in white on the left side of the image.

**Effortless Installation,
Endless Energy**

Smart Energy Management

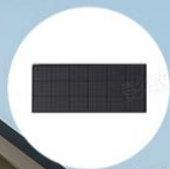


Smart Energy Control

Empower your home with **smart energy control**. Our smart plugs and smart meters optimize your power usage, saving energy and enhancing convenience—all at your fingertips



Gro Plug - X



Solar Panel



Nexa 2000



Shelly Pro 3EM

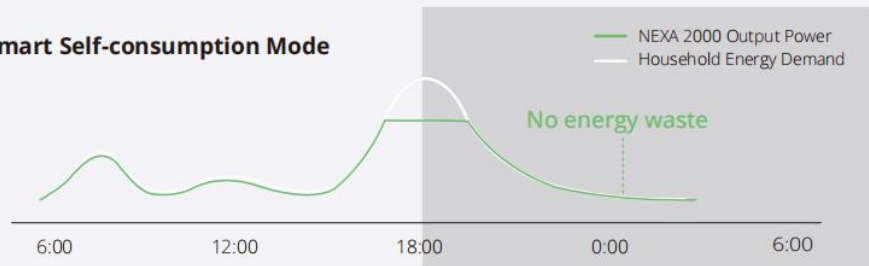


Zero Energy Waste

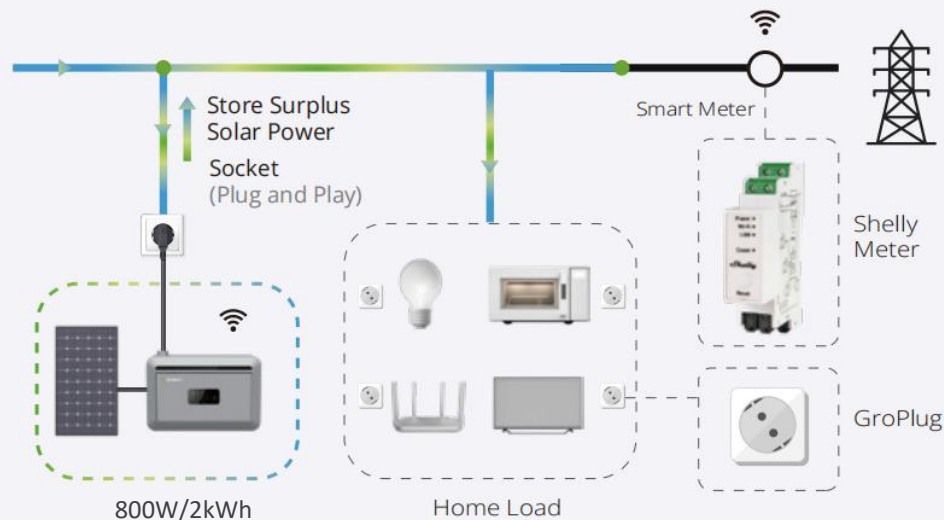
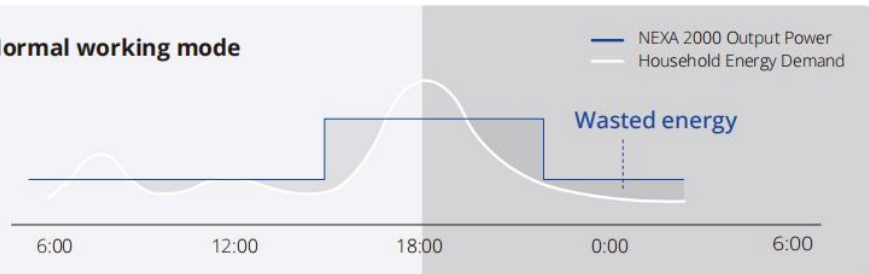
With Shelly Meter/Groplug-X device, it continuously monitors **real-time load power**, allowing NEXA to adjust output power dynamically **based on scheduling needs**. This optimizes photovoltaic power generation and reduces dependency on grid power.

*Compatible Shelly Meter: Shelly Pro 3EM, Shelly 3EM

Smart Self-consumption Mode

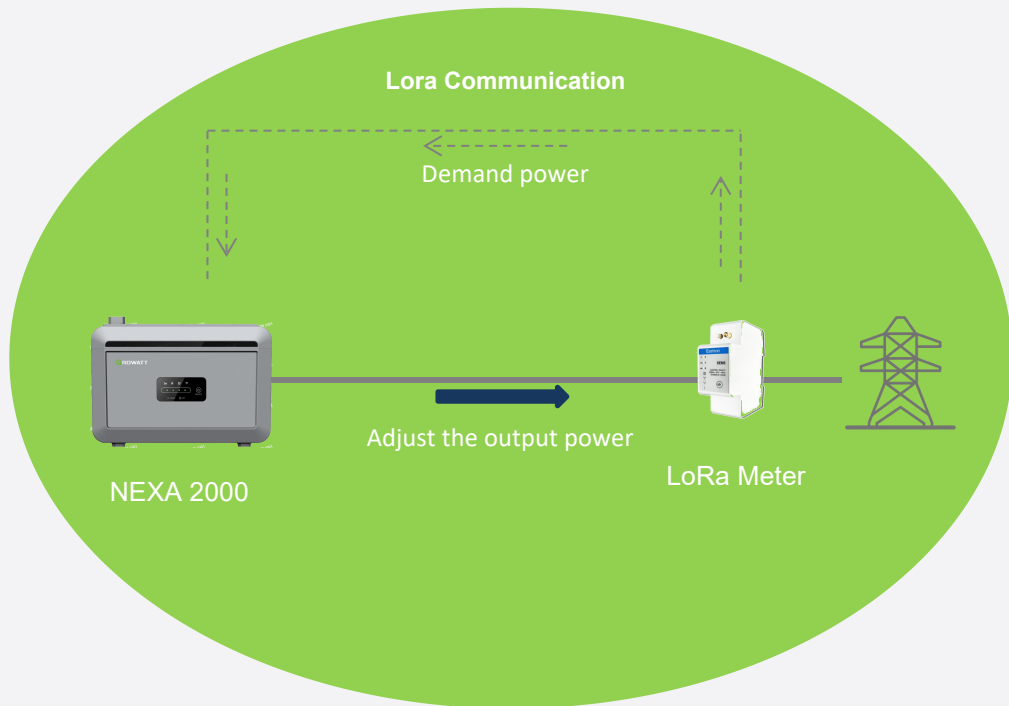


Normal working mode



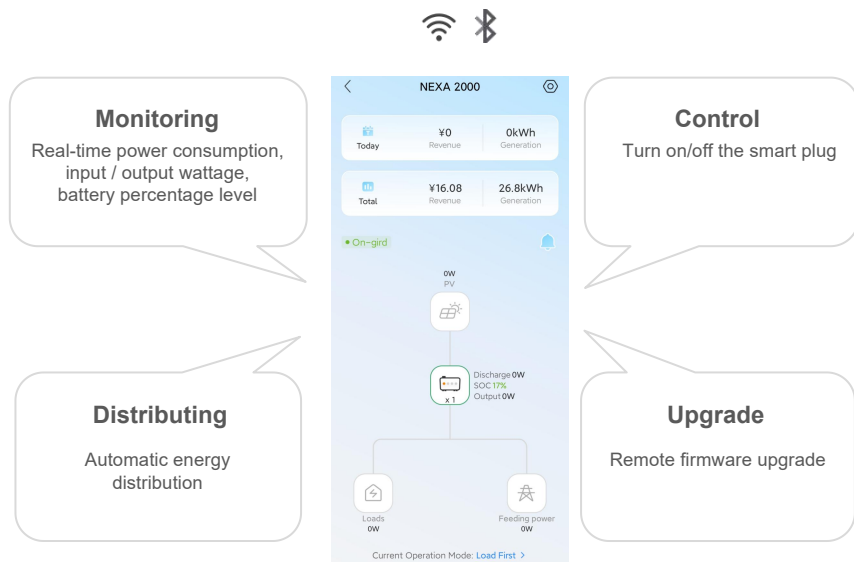
Local Smart Meter

The SEM5-1 smart meter tracks real-time household electricity usage and communicates via local LoRa to the NEXA 2000 battery. Leveraging this live data, NEXA 2000 dynamically optimizes its power output to align precisely with your home's energy demands, ensuring efficient, autonomous energy management.



- Local lora wireless communication
- Simple Installation
- Stable Communication
- Faster Response Speed
- Longer Communication Range
- Class 1 measurement accuracy
- Meter with CT for easy installation

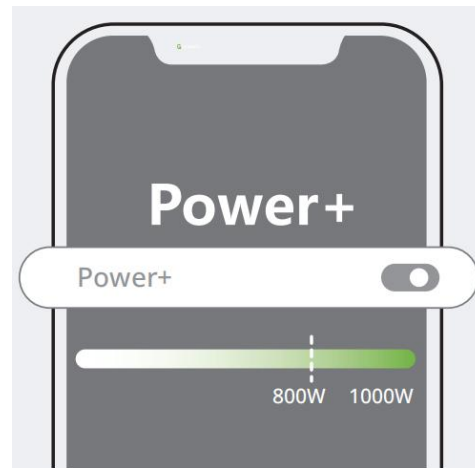
Smart APP Control



Wi-Fi / Bluetooth

Easy, Smart, Convenient !

Power+ Function Boosts the Power Output



NEXA allows manual adjustment of the output power, providing greater energy flexibility to meet your needs.

**Zero energy waste, save
money**



4 MPPT/ 2600W

Maximize solar power generation and minimize electricity costs with our system. Equipped with 4 MPPT solar controllers, each supporting up to 650W, it ensures your home consistently receives the highest solar power supply, **reaching up to 2600W.**





Maximize Solar Self-consumption

This system stores all excess energy in a battery during the daytime and **returns it whenever you need it**, improving solar energy utilization efficiency.



AC Charging Available for TOU Application

Charge the battery from the grid during low electricity prices and discharge during high prices to save significantly on your electricity bills.

A modern two-story cabin with dark wood siding and large windows, set in a forest at dusk. The cabin features a balcony on the upper level and a covered patio on the lower level. The interior lights are on, and the text "Easy and casual installation" is overlaid on the image.

Easy and casual installation



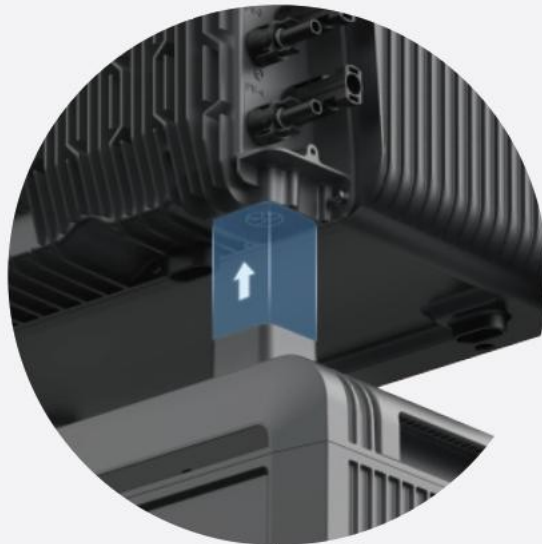
All-in-one Design

Multiple functional modules are **seamlessly integrated**, eliminating the need for an additional microinverter and offering **all-in-one convenience** and ease of use.

2 Minutes Quick Installation

Only two connection, Simply plug the NEXA 2000 All-in one Battery into the socket, and the installation is complete in just **2 minutes**.





**Flexible Expansion,
up to 8kWh**

With the NEXA 2000 expansion battery, the NEXA system can be easily expanded to 8 kWh through direct stacking

A modern two-story cabin with dark wood siding and large, multi-paned windows. The house is illuminated from within, showing a warm interior with a dining area and a living space. A balcony with a metal railing is visible on the upper floor. The house is surrounded by tall evergreen trees, and the sky is a deep blue, suggesting dusk or dawn. The text "Widely application scenarios" is overlaid in white, bold font across the center of the image.

Widely application scenarios



Fits Anywhere

It has an **IP66 waterproof rating**, making it safe for use in **garages, wooden houses, apartments, balconies** regardless of the weather conditions.



Off-Grid Capability

800W

During sudden power outages, the **off-grid** port supplies power to critical loads, ensuring essential systems remain operational.

This feature also makes it suitable for **outdoor and remote applications**.

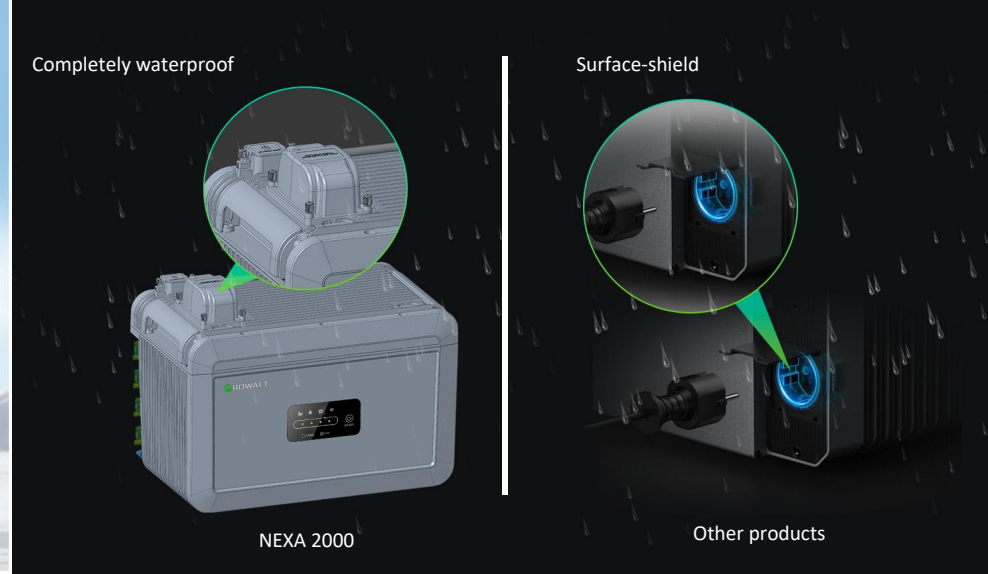
Stability and Safety





IP66 Waterproof and -20° C Startup

With an IP66 waterproof rating and -20° C startup support, NEXA is perfect for villas, balconies, gardens, and apartments. It remains reliable in all weather conditions, even in rainy days or cold winters.



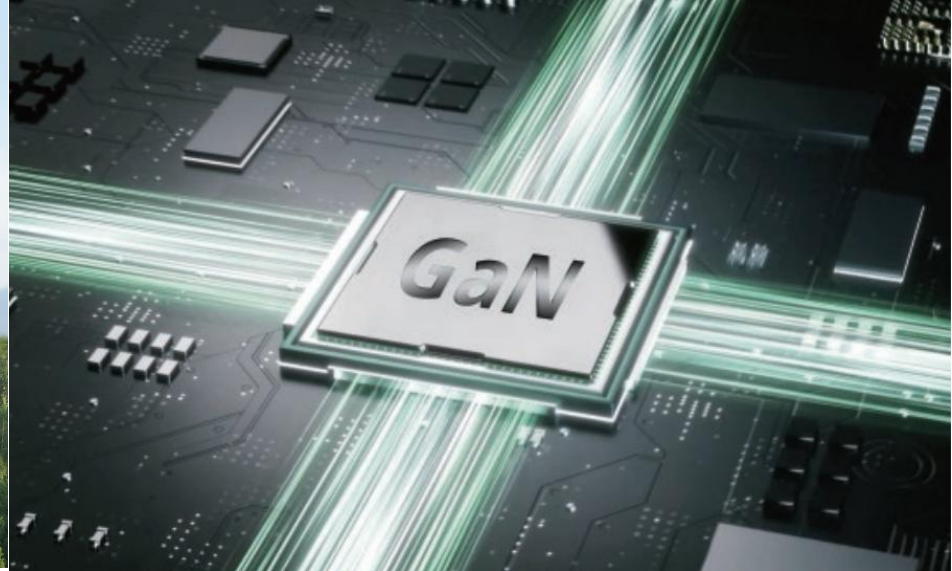
Truly reliable waterproofing

Compared with other products, the NEXA 2000 battery has unique advantages. Its off - grid port is specially equipped with waterproof cover. This considerate design can safeguard your use in harsh environments such as humidity and rainy days, ensuring worry - free electrical safety.



Safe & Reliable LFP Battery

The NEXA 2000 Balcony Storage uses the best LiFePO₄ battery for energy storage, providing you with **6000+** cycles, ensuring your battery will stand the test of time.



3rd Generation GaN Tech

Featuring advanced 3rd generation GaN technology, NEXA 2000 delivers higher efficiency than standard all-in-one batteries.

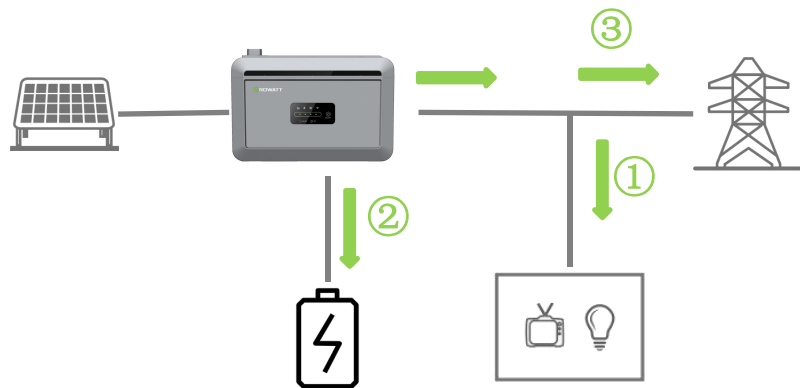
Working Mode



Working Mode

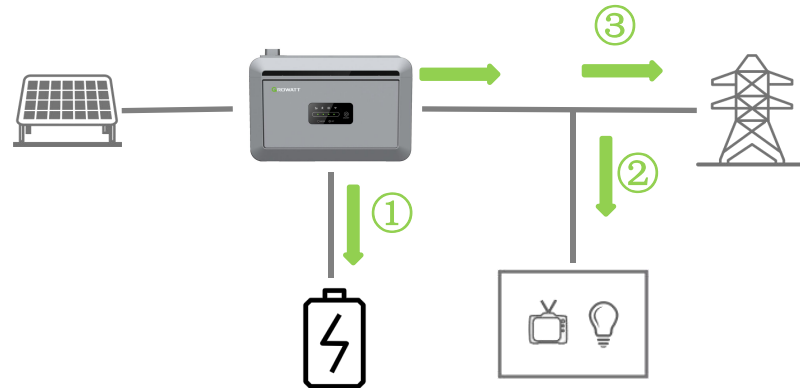
Load First Mode

Solar supplies power to the loads at top priority



Battery First Mode

Solar charges the battery at top priority



Working Mode

Smart Self-consumption Mode

Intelligently charge and discharge based on the real-time power demand required by household loads obtained from smart meters.

