

New

NOAH 2000

Balcony Solar Storage



Effortless Installation, Endless Energy

NEO Micro Inverter

Up to 800W AC output of
micro inverter

800W
AC Output

Solar Panel

Compatible with up
to 2*900W solar modules

1800W
solar panels connection



Battery

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

8kWh

Smart APP

monitor, control, distribute and upgrade

APP

SPECIFICATIONS

NOAH 2000

Balcony Solar Storage



PV Input

Recommended PV Input power (for module STC)	900W*2
Max. PV input voltage	60V
MPPT voltage range	16V-60V
MPPT full power voltage range	30-48V
Max. MPPT input current	26A+26A MAX
MPPT channels	2
No. of PV strings per MPPT channel	1

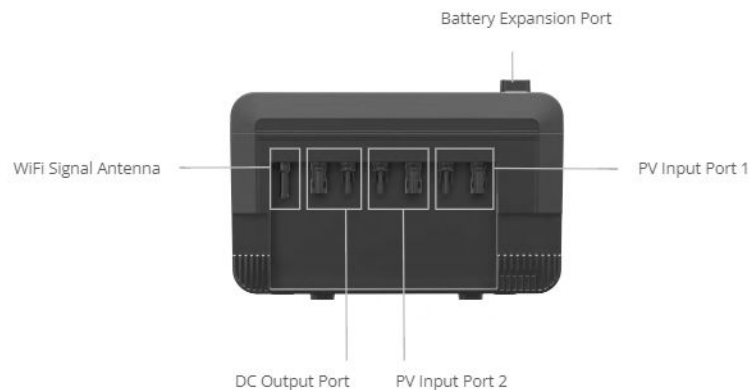
Battery Specifications

Battery type	LiFePO4
Battery capacity	2048Wh
Max. expansion capacity	8192Wh (up to 4 units)
Max. charging power	2000W
Rated voltage	51.2V
Max. charging current	40A

SPECIFICATIONS

NOAH 2000

Balcony Storage



Battery Output (DC to Microinverter)

Max. output power	800W
Output voltage range	40V-50V
Max. output current	20A

General

Max. output efficiency	98%
MPPT efficiency	99%
Charging temperature range	0-45°C
Discharging temperature range	-20-45°C
Weight	≈24kg
Dimensions(W/D/H)	406×235×270 mm
Protection level	IP66
LED Display	Supported
APP	Supported
WiFi/Bluetooth	Supported
Warranty	10 years
Certification	CE, ROHS, REACH, WEEE

SPECIFICATIONS

NEO 800M-X



Parameter	NEO 800M-X
Max. DC voltage	60V
Start voltage	16V
MPPT voltage range	16-60V
No. of MPPT	2
Strings/MPPT	1
Max. MPPT input current	18A
Max. MPPT short-circuit current	20A
IP degree	IP67
Communication	Wifi/Bluetooth
Warranty	10Year
Power factor	0.8leading ~ 0.8lagging
Protection level	IP65

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 levels are illuminated from within, showing a warm interior. A balcony with a metal railing is on the second floor. The house is surrounded by tall evergreen trees. The text "Effortless Installation, Endless Energy" is overlaid on the left side of the image.

Effortless Installation,
Endless Energy



Flexible Expansion,
up to 8kWh

As the companion battery to the system, NOAH 2000 has a capacity of 2048Wh. Connect 4 batteries to build a powerhouse with 8192Wh.

Easy Installation within 5 Minutes

This system uses the NEO microinverter and is compatible with MC4 connectors. Installation is **quick and easy** - attach the microinverter to the wall and connect the battery using a quick connector by stacking **in just 5 minutes**.



1800W Solar Input Up to 4 Solar Module

Utilizing a Y-Branch Solar Parallel Cable, the NOAH 2000 can be connected to **4 solar modules**, harnessing more solar energy efficiently.





-30°C Startup Support

Operate in temps as low as -30°C (-22°F)



Heat up your NOAH 2000 to offer continuous power or nonstop charging at a low temperature.

* Heating function works while the solar is available



Robust IP66 Protection

Whether it's a dusty environment or unexpected rain showers, the IP66 rating ensures that the device remains safe and functional, making it suitable for outdoor use even in challenging conditions.



Fits Anywhere

It has an **IP66 waterproof rating**, making it safe for use in **balconies, terraces/gardens, villas, apartments , and sloping roofs** regardless of the weather conditions.

Safe & Reliable
LFP Battery

LFP 6000+



The NOAH 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.

Works with **NEO 800M-X**



Plug and Play



Self-Consumption



Smart



Flexible



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.



Save on Energy Costs

Forget about that dreaded end-of-month electricity bill. With endless solar energy streaming into your home via this system, you can enjoy significant annual savings.

Working Mode

Load First Mode

Solar supplies power to the loads at top priority

The solar power greater than system output power



The solar power less than system output power



Battery First Mode

Solar charges the battery at top priority

The solar power will only charge the battery



* Up to six time period can be set for different working modes



10-Year Warranty

The **10-year extended warranty** is Growatt's commitment to excellent products and services. The NOAH 2000 Balcony Storage boasts premium materials that ensure its longevity, and a durable **LiFePO4** battery with a lifespan of over 15 years.

Smart APP Control



Monitoring

Real-time power consumption,
input / output wattage,
battery percentage level

Distributing

Automatic energy
distribution



Control

Turn on/off the smart plug

Upgrade

Remote firmware
upgrade

Wi-Fi / Bluetooth

Easy, Smart, Convenient !



We Are PRO!

Professional Energy Storage Expert

Recognized Renewable Energy brand

Outstanding Solar Performance

"Solar will make a difference in the world's energy future."

The story of Growatt began in 2011. As a pioneer in the field on solar energy, we have become one of the most recognized brands in smart renewable energy solutions and offers our eco-friendly innovations to more than 3 millions of individuals and families.

11 years of specializing in sustainable energy generation, storage and consumption and energy digitalization has succeed us in building all-scenario solar power solutions around individuals and family users.

Cover More Scenarios with Portable Power Series

In line with our goal to create a sustainable smart energy environment and to encourage energy independence of everyone, we expanded our reach to the field of portable power stations to include the outdoor power needs of green energy enthusiasts and off-grid dwellers, as well as to offer installation-free alternatives for emergency preppers.

The **EXPERT** of Energy Storage Solutions

The selection of more than **3 million** individuals & families all over the world

Focused

on individuals & families
solar energy solutions



GLOBAL NO.1
User Side Energy Storage Inverter Supplier



The World's No.1
Residential Inverter Supplier

Integrated Energy Solutions

with solar energy generation, storage, consumption
(EV Charger) and management system



Winning Performance

recognized by
authoritative organizations



All-Quality
Matters Award

An **Pro** on Solar Energy Generation

Feature Winner on Solar Performance

Higher solar input to enable
Extremely Fast Solar Charge

Higher solar input to enable
Extremely Fast Solar Charge

99% MPPT efficiency for
Almost No Conversion Loss

Shorter Solar Charge Time to
Fully Utilize Daylight Sunshine

A Solar Pioneer **Since 2011**

Top Solar Energy Brand Recognized by Industry Authorities



EUPD Research
TOP BRAND PV SEALS

All-Round Service with Cloud Platform



ShinePhone

User-side

- Monitoring
- Control
- Customized Settings
- Upgrade



Online Smart Service (OSS)

Customer Service

- Remote upgrade through the cloud to always deliver superior performance.
- Help resolve customer problems remotely.
- Enhanced data security to protect user information.



In-House
Manufacturing
Quality & Reliability First

GROWATT
World-class Manufacturing Center
*100,000m², 3M+ Shipment

* Data as of Aug. 2022

Local
Support
Being **Responsive**



Local
Warehouse



Local
Customer Support

THANKS



Copyright© 2023 Shenzhen Growatt New Energy CO., LTD

All Rights Reserved. The information contained in this document is only for reference purpose and subject to change by company officials.



Growatt New Energy