NEW

AURA 5000

AC-coupled Balcony Solar Storage



Endless Green Power. Effortless Savings.

Specifications

On-grid AC Output

Up to 2300W AC output

800W/2300W
AC Output

Off-grid AC Output

Up to 2500W AC output

2500W
AC Output



Battery

Capacity of up to 5 kWh

5kWh

Smart APP

Monitor, Control, Distribute and Upgrade

Smart APP

SPECIFICATIONS

AURA 5000

AC-coupled Balcony Solar Storage



On-grid Port	
AC Input	2300W (Plug & Play Installation) 2500W (Professional Distribution Panel Installation)
Max AC Input Current	10.9A
AC Output	800W (Plug & Play Installation) 2500W(Professional Distribution Panel Installation)
Max AC Output Current	10.9A
Voltage range	230V/187-253V
Versatile AC Port	
Rated off-grid AC output power	2300W (Plug & Play Installation) 2500W (Professional Distribution Panel Installation)
Peak power	3.5KVA
Input Power	2300W (Plug & Play Installation) 2500W (Professional Distribution Panel Installation)
Battery Specifications	
Battery type	LiFePO4
Battery capacity	5024Wh
Rated voltage	16V
Cycle life	6000+

SPECIFICATIONS

AURA 5000

AC-coupled Balcony Solar Storage



Genaral

Charging/Discharging Temperature Range	-20℃-60℃/-20℃-60℃*
Dimensions(W/D/H)	450*198*528mm
Weight	≈50kg
Protection level	IP66
Interface	LED & APP
WiFi/Buletooth	Supported
Warranty	10 years

*Support -30 ˚ C startup and automatically self-heat the device for a certain time to the charge temperature range.


Bidirectional Inverter Function

Bidirectional Charge and Discharge



Plug & Play Installation

Maximum AC Input: 2300W

Default AC Output: 800W

With Power+: AC Output up to 2300W

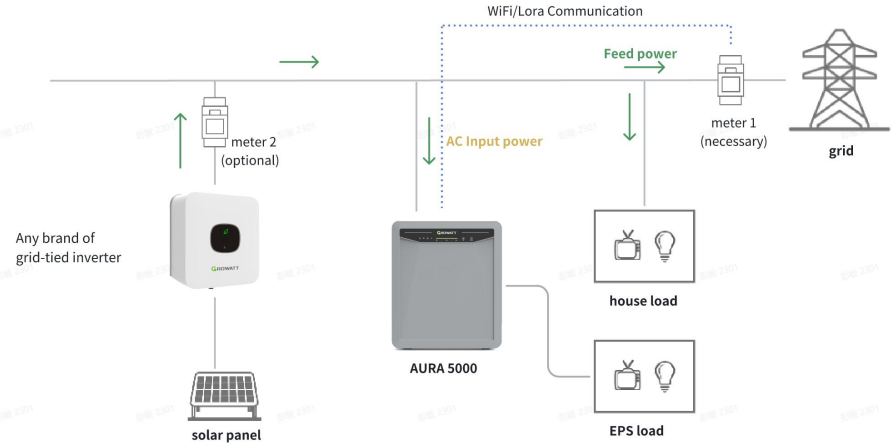



Leading AC Coupled

AC-coupled Solution: Any Third-party Inverter

AC-Coupled Freedom: 100% Inverter Compatibility

Retrofit without rewiring. Connects directly to your household grid, automatically captures surplus solar energy to charge the battery, enabling 100% self-consumption of solar power.

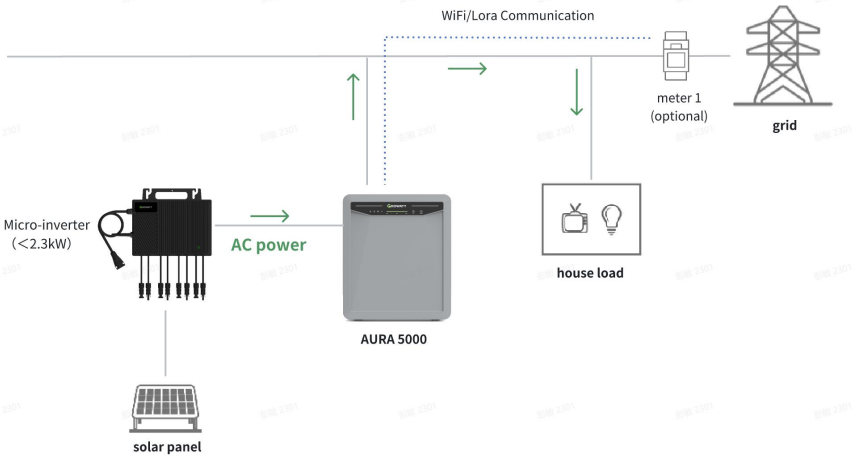


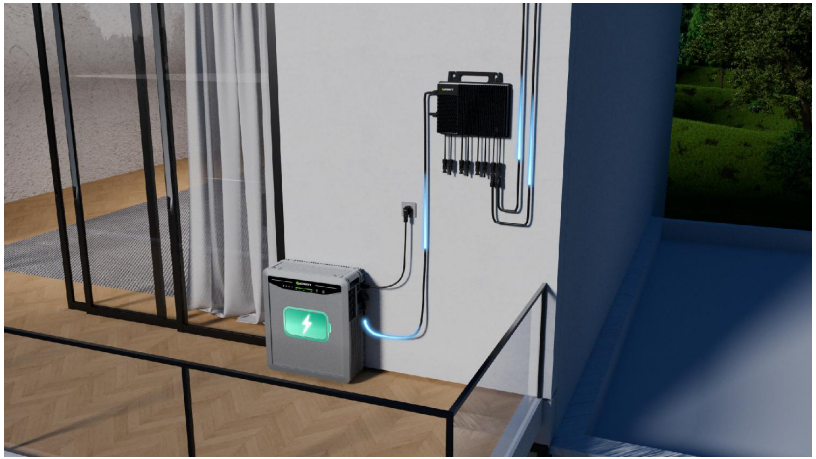


AC-coupled Solution: Plug Micro-Inverter into AURA 5000

AC-Coupled Easy Setup: **Plug & Play**

Simply plug the microinverter directly into your AURA 5000, store extra solar energy into your battery.

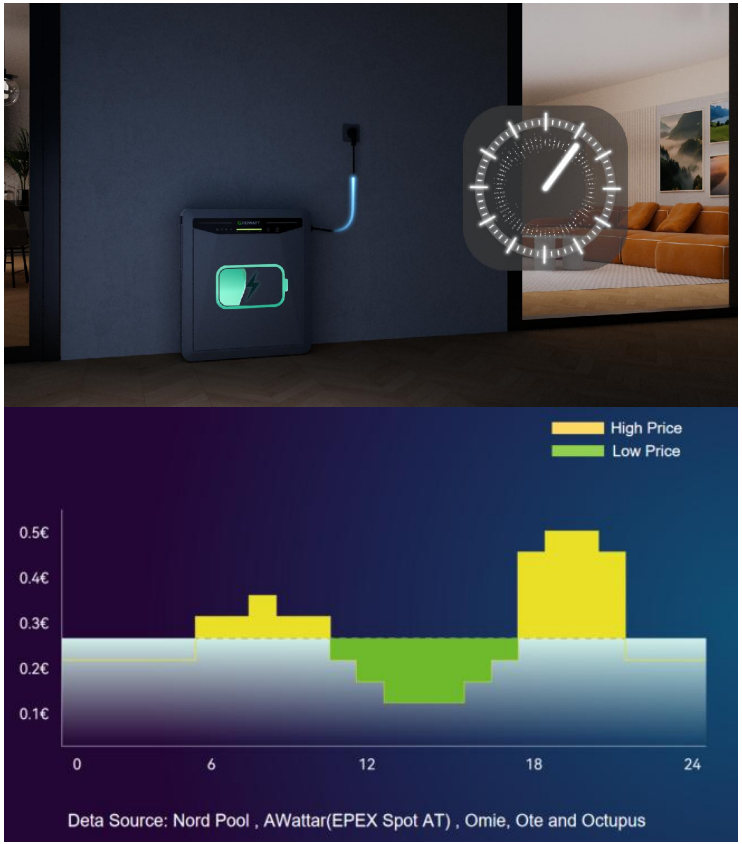




* If the AURA 5000 plug into the socket(10A) and maximum support up to 2.3kW inverter
* This feature is expected to be launched in Q2 2026 and can be implemented via OTA.


Smart Energy Management

AI Smart Scheduling Mode



AI-Powered Smart Scheduling in Dynamic Tariff

- **Who Needs It?**

Specially designed for households who are in dynamic tariff policy and want to use electricity reasonably and save electricity costs

- **When Does It Work?**

24/7 real-time response to price fluctuations with intelligent charge/discharge switching

- **How Does It Work?**

AURA 5000 Energy Storage System with Dynamic Pricing Algorithm:
Smart Charging: Auto-captures off-peak or negative rates
Power Export: Releases stored energy during peak rates.
AI smart optimization: Self-learning model analyzing all parameters from existing systems

Compatible With Smart Meters



- AURA 5000 is associated with smart meters and can intelligently adjust device output power in real-time.
- Shelly 3EM, Shelly Pro 3EM, Shelly Pro 3EM-3CT63, Shelly Pro EM-50, Shelly Pro 1PM, everHome EcoTracker, Chargee Sparky P1 meter
- Real-time load monitoring

Local Smart Control - No Network Requirement

SEM5-1 Smart Meter & SMeter-RS02 Infrared Meter Reading Head



- Lora Communication
- Long Distance Comminication
- Strong Penetrating Ability



SEM5-1



SMeter-RS02


Leading Features

Quiet Operation & Dark Mode

This device charges and runs below 30 dB while its display can be disabled, ensuring a silent and dark sleep environment.



EPS Function

2500W Power in Off-Grid, ＜20ms EPS

- **EPS: Uninterrupted Power, 20ms Response**

Connect critical loads directly to the AURA 5000 and enable EPS in the app for instant activation.

- **Bypass Power to Loads**

Powers loads through bypass mode from the grid

- **Backup Power Repsond**

Automatically switches to off-grid power within 20ms to ensure continuous operation of essential equipment.



IP66 Waterproof and -30 ° C Startup

With an IP66 waterproof rating and -30 ° C startup support, AURA is perfect for villas, balconies, gardens, and apartments. It remains reliable in all weather conditions, even in rainy days or cold winters.



Safe & Reliable LFP Battery

The AURA 5000 Balcony Storage uses the best LiFePO4 battery for energy storage, providing you with **6000+** cycles, ensuring your battery will stand the test of time.



Warranty and Lifespan





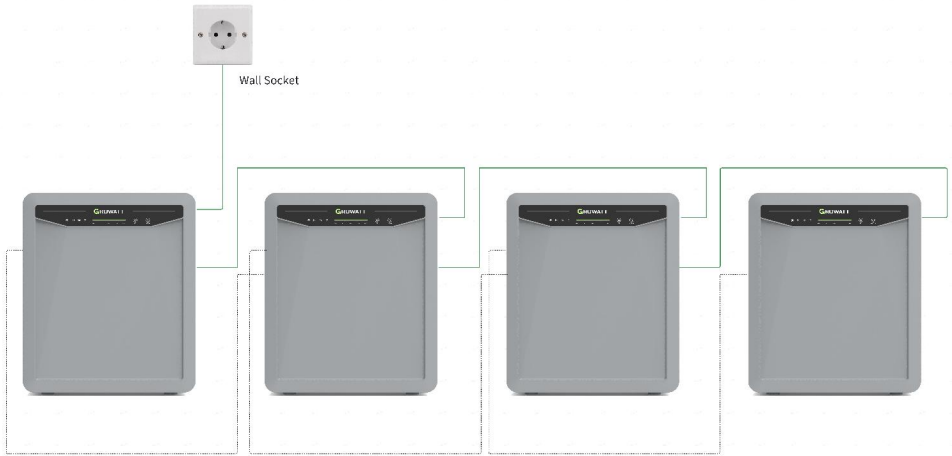
10-Year Warranty

15 Year Lifespan

The **10-year extended warranty** is Growatt's commitment to excellent products and services. The AURA 5000 Balcony Storage boasts premium materials that ensure its longevity, and a durable **LiFePO4** battery with a lifespan of **over 15 years**.

Plug & Play Installation

No Retrofitting Required

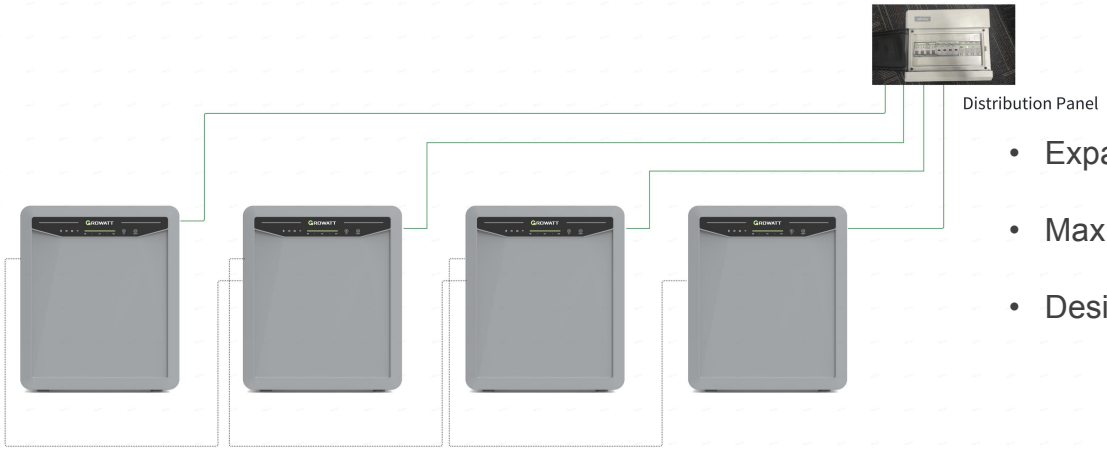


- Simply plug into a wall outlet for within 10s installation.
- 2300W max AC input power. Default 800W AC output, upgradable to 2300W via Power+ mode.
- Expandable up to 4 units (20kWh total capacity).

This feature is expected to be launched in Q2 2026 and can be implemented via OTA.

Professional Distribution Panel Installation

Greater Capacity and Ultimate Power



- Expandable up to 4 units (20kWh total capacity).
- Max 10kW AC input power and AC output power.
- Designed for Home Energy Storage

Notice: The grid connection cable for distribution board installation requires separate purchase.

This feature is expected to be launched in Q2 2026 and can be implemented via OTA.

GROWATT

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

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

Winning Performance
recognized by authoritative organizations

GLOBAL NO.1

GLOBAL NO.1
User Side Energy Storage Inverter Supplier

GLOBAL NO.1

The World's No.1
Residential Inverter Supplier



TÜVRheinland®

All-Quality Matters Award

* Data as of Aug. 2022

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

Europe

Africa

The Americas

Asia Pacific



EUPD Research

TOP BRAND PV SEALS

All-Round Service with Cloud Platform

ShinePhone



Online Smart Service (OSS)

User-side

- Monitoring
- Control
- Customized Settings
- Upgrade

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

GROWATT

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