

NEW

# AURA 5000

AC-coupled Balcony Solar Storage



Endless Green Power. Effortless Savings.

## 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 & Pplay Installation) 2500W(Professional Distribution Panel Installation)
Max AC Output Current	10.9A
Voltage range	230V/187-253V

### Off-grid Port

Rated off-grid AC output power	2500W
Peak power	3.5KVA
Input Power	2500W

### Battery Specifications

Battery type	LiFePO4
Battery capacity	5024Wh
Rated voltage	16V
Cycle life	6000+

## SPECIFICATIONS

# AURA 5000

AC-coupled Balcony Solar Storage



## General

Charging/Discharging Temperature Range	-20°C-60°C/-20°C-60°C*
Dimensions(W/D/H)	450*198*528.5mm
Weight	≈49kg
Protection level	IP66
Interface	LED & APP
WiFi/Buletooth	Supported
Warranty	10 years
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





## Plug & Play Installation

Maximum AC Input: 2300W

Default AC Output: 800W  
With Power+: AC Output up to 2300W



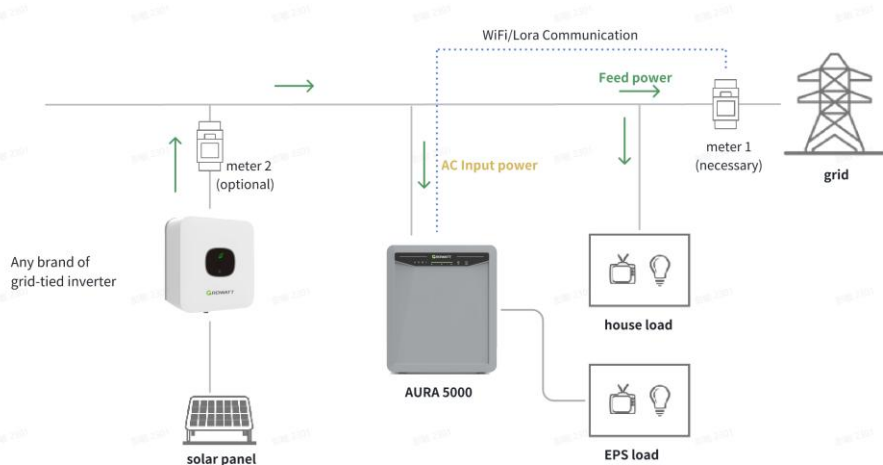
# Leading AC Coupled



# AC-coupled Solution: Any Third-party Inverter

## AC-Coupled Freedom: 100% Inverter Compatibility

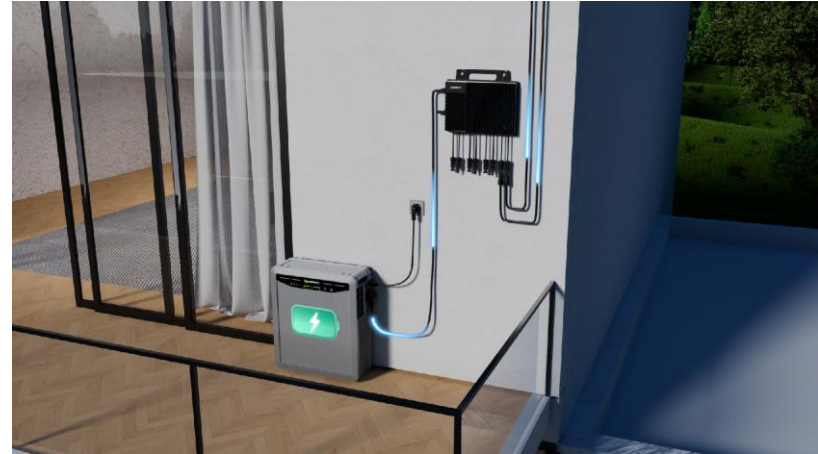
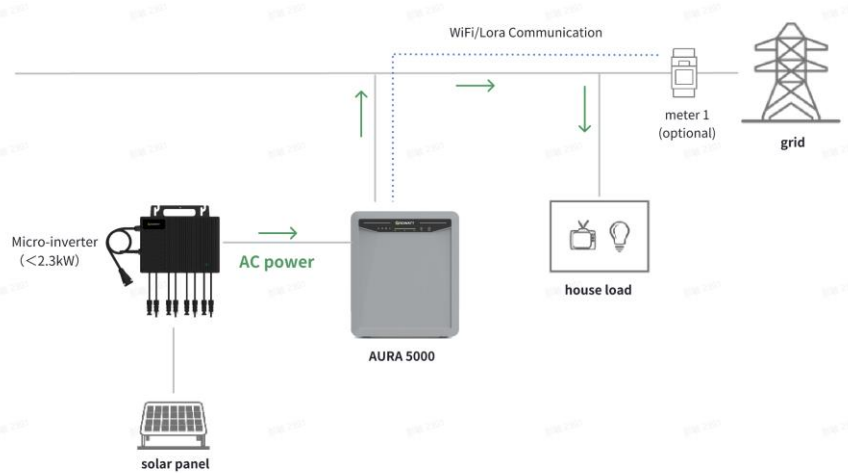
Retrofit without rewiring. Connects directly to your home grid, automatically captures surplus solar energy to charge the battery, enabling 100% self-consumption of solar power.



# AC-coupled Solution: Plug Inverter into AURA 5000

## AC-Coupled Easy Setup: Plug & Play

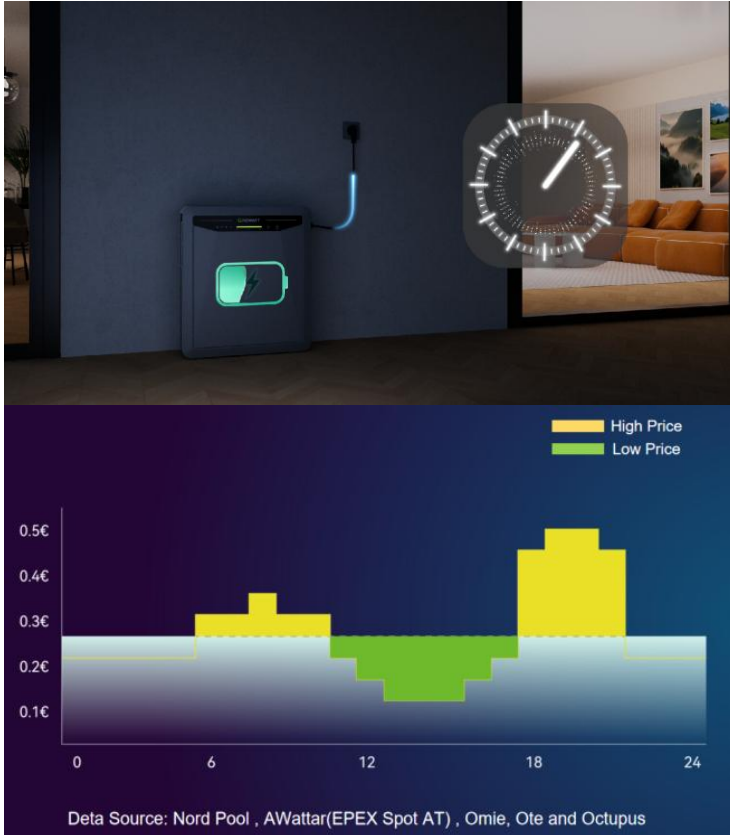
Simply plug the microinverter directly into your AURA 5000, store extra solar energy into your battery.



\* If the AURA 5000 plug into the socket(10A) and maximum support up to 2.3kW inverter

# Smart Energy Management





## 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, EverHome EcoTracker, Chargee Sparky P1 meter, SEM5-1, SM-WLS01
- Real-time load monitoring

## SEM5-1 Smart Meter & SM-WLS01 Infrared Meter Reading Head



- Lora Communication
- Long Distance Communication
- Strong Penetrating Ability



SEM5-1



SM-WLS01

# 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.



## 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 $-30^{\circ}\text{C}$ Startup

With an IP66 waterproof rating and  $-30^{\circ}\text{C}$  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 LiFePO<sub>4</sub> battery for energy storage, providing you with **6000+** cycles, ensuring your battery will stand the test of time.

# LFP 6000+





**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**.

# GROWATT

We Are PRO!

**P**rofessional Energy Storage Expert

**R**ecognized Renewable Energy brand

**O**utstanding 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  
User Side Energy Storage Inverter Supplier



The World's No.1  
Residential Inverter Supplier



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**

**GROWATT**

World-class Manufacturing Center

\*100,000m<sup>2</sup>, 3M+ Shipment

\* Data as of Aug. 2022

Local  
**Support**

Being **Responsive**



Local  
Warehouse



Local  
Customer Support

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# THANKS

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