

NEW

AURA 5000

AC-coupled Balcony Solar Storage



Endless Green Power. Effortless Savings.

Specifications



On-grid AC Output

Up to 2300W AC output

800W/2300
AC Output
W

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-in Installation) 2500W (Professional Distribution Panel Installation)
Max AC Input Current	10.9A
AC Output	800W (Plug-in 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-in Installation) 2500W (Professional Distribution Panel Installation)
Peak power	3.5KVA
Input Power	2300W (Plug-in 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

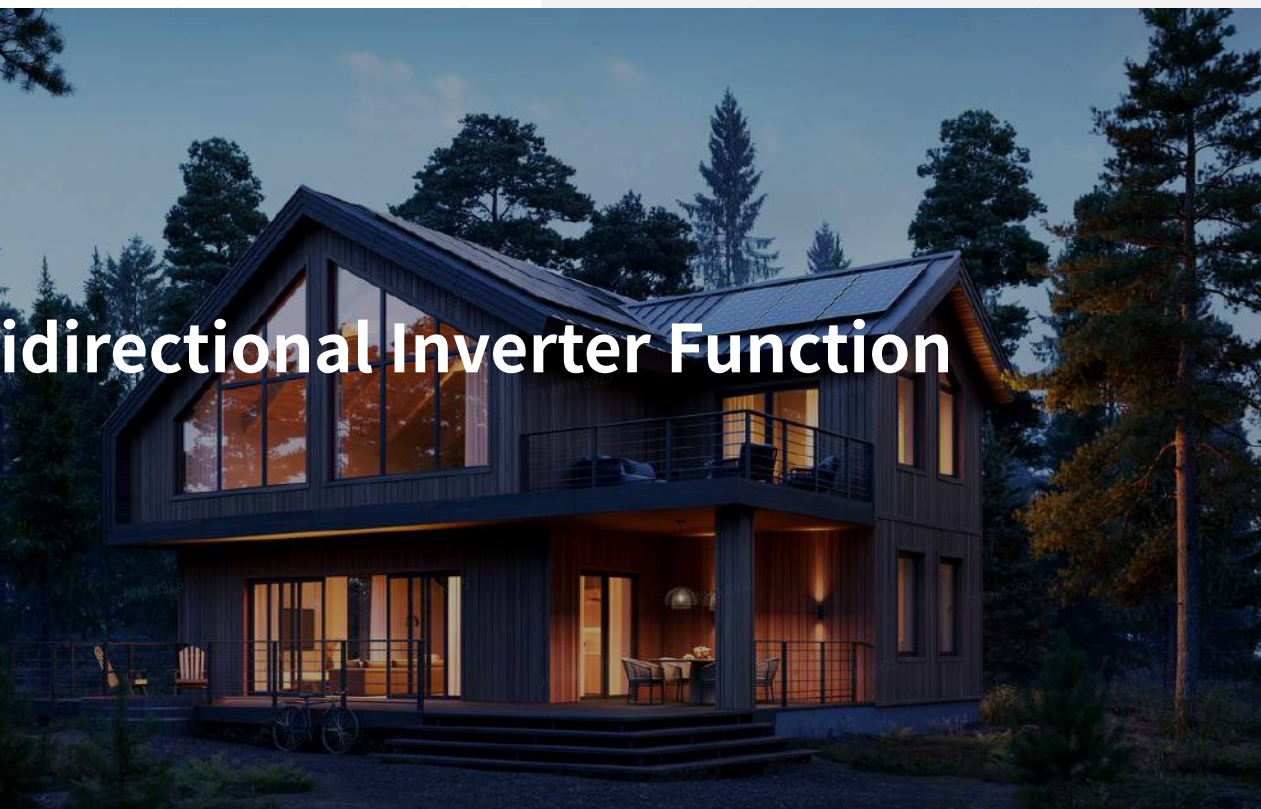


General

Charging/Discharging Temperature Range	-20°C-60°C/-20°C-60°C*
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-in Installation

Maximum AC Input: 2300W

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



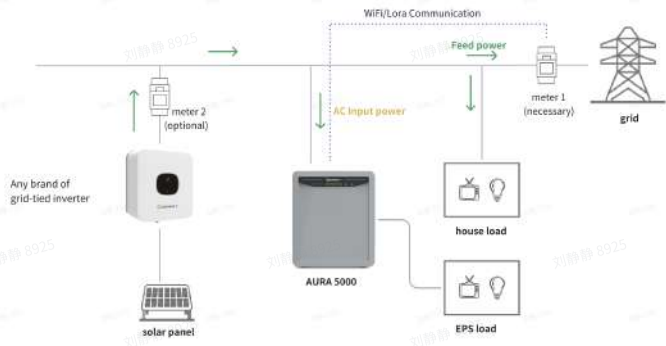
Leading AC Coupled



AC-coupled Solution: Any Third-party Inverter

AC-Coupled Freedom: 100% Inverter Compatibility

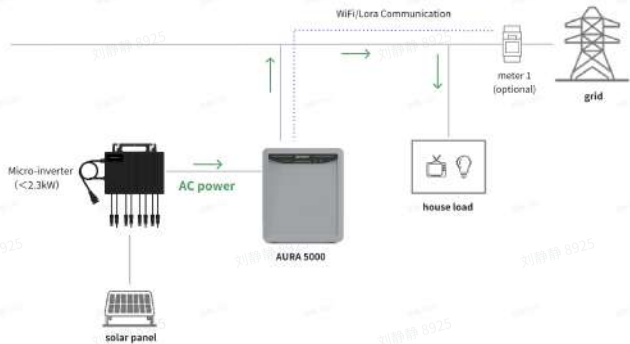
Retrofit without rewiring. Connects directly to your household grid, automatically captures surplus solar energy to charge the battery, enabling 100% self-consumption of solar power.



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

AC-Coupled Easy Setup: Plug-in

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

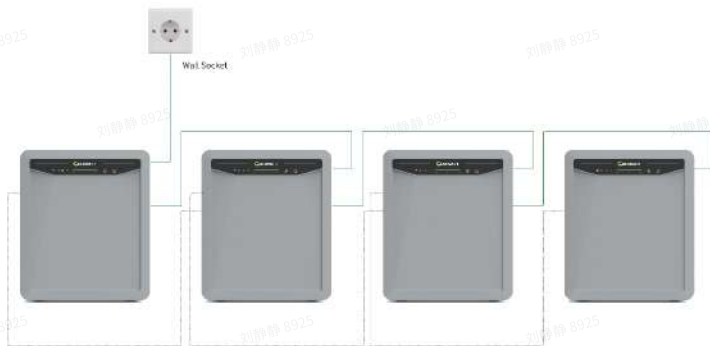


* If the AURA 5000 plug into the socket(10A) and maximum support up to 2.3kW inverter

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

Parallel solution: Plug-in Installation

No Retrofitting Required

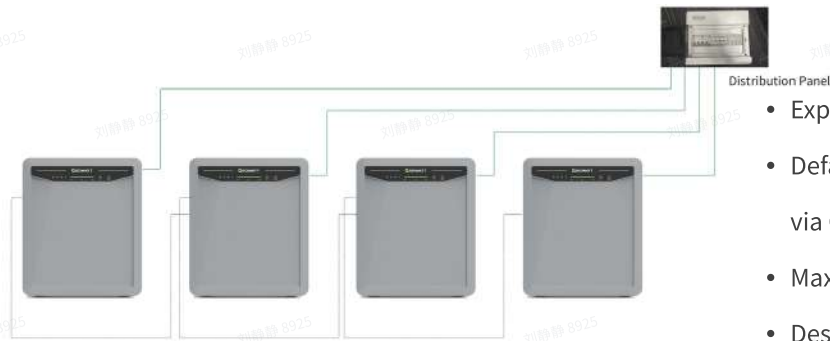


- Simply plug into a wall outlet for within 10s installation.
- 2300W max AC input power. Default 800W AC output, upgradable to 2300W via Power+ mode.
- Expandable up to 4 units (20kWh total capacity).

Parallel solution: Professional Distribution Panel Installation



Greater Capacity and Ultimate Power



- Expandable up to 4 units (20kWh total capacity).
- Default 800W AC output, upgradable to 2500W via OSS (Installer permission only)
- Max 10kW AC input power and AC output power
- Designed for Home Energy Storage

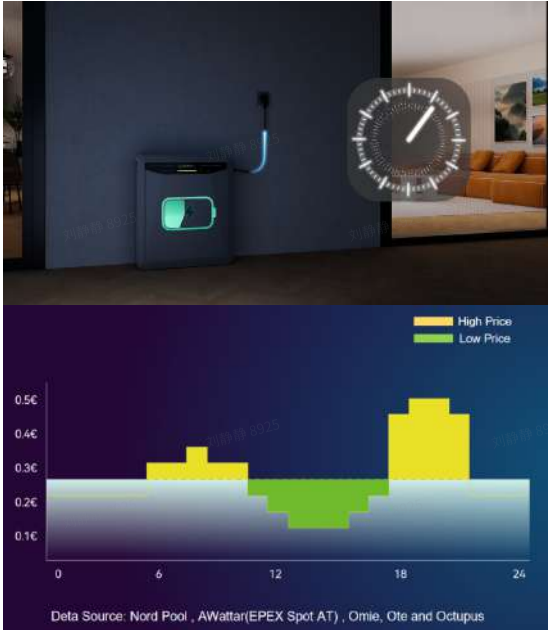
Notice: The grid connection cable for distribution board installation requires separate purchase.

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

This feature is expected to be launched in Q2 2020 and can be implemented via OIA.

Smart Energy Management

A modern two-story house with a dark grey exterior and a gabled roof. The house features large windows and a balcony on the upper level. The interior lights are on, and the house is surrounded by tall evergreen trees. The sky is a deep blue, suggesting dusk or dawn. The text "Smart Energy Management" is overlaid in white on the left side of the image.



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

Compatible Third-party Smart Meter

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



No Network Requirement

SEM5-1 Smart Meter and SM-WLS01 Infrared Meter Reading Head



SEM5-1 Smart Meter



SM-WLS01

- RF Communication
- Long Distance Communication
- Strong Penetrating Ability

Work Modes



Work Modes - TOU Mode—Battery First Mode

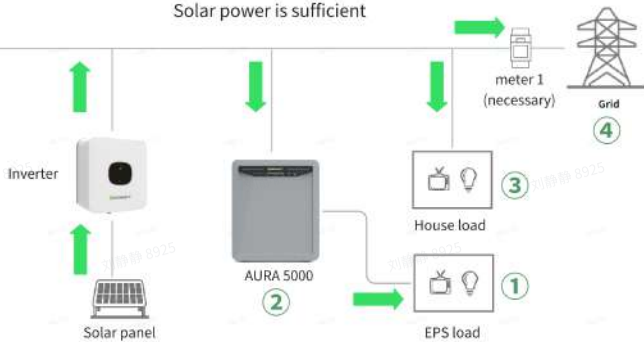
TOU Mode—Battery First Mode

High priority to charge the battery.

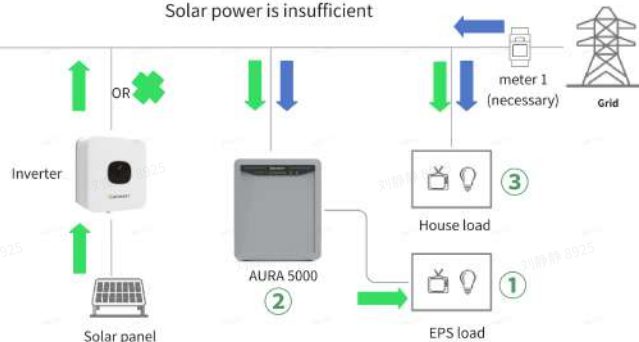
Priority: EPS load > Battery > House load > Grid

EPS load + Battery \leq 2300W

Solar power is sufficient



Solar power is insufficient



Work Modes - TOU Mode—Load First Mode

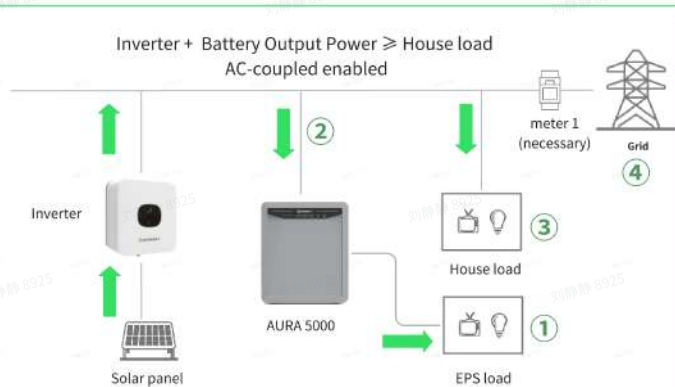
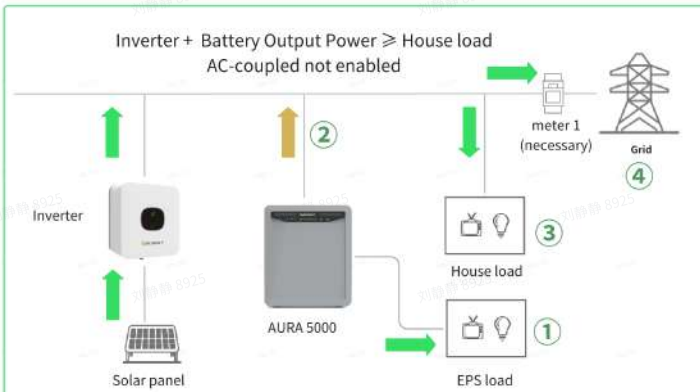
GROWATT

TOU Mode—Load First Mode

Set a grid-connected output power and prioritize discharging at this power level, while the EPS load is supplied by battery discharge.

Priority: EPS load > Setpoint Power > House load > Grid

Battery Discharge Power = EPS Load + Setpoint Power \leq 2300W



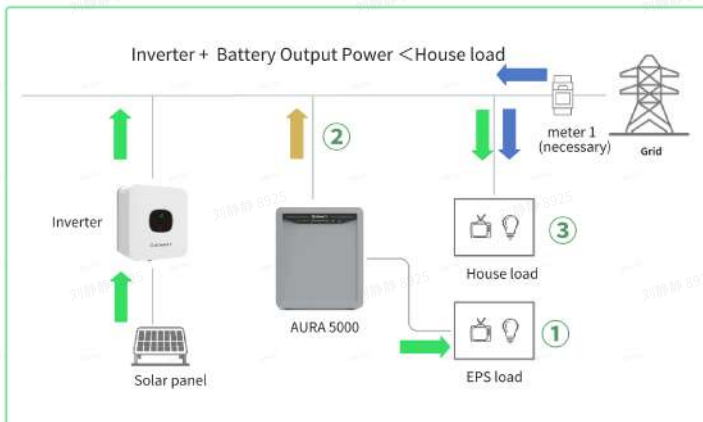
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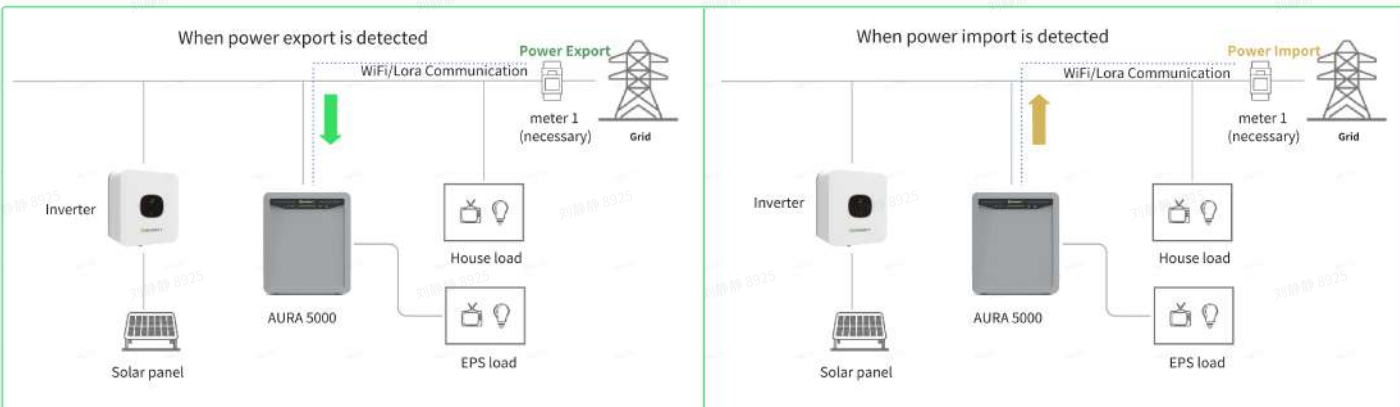
Work Modes - Smart Self-consumption Mode



Smart Self-consumption Mode

Adjust the battery charge/discharge power in real time based on the power imported from or exported to the grid.

When power export is detected, the AURA 5000 reduces discharge power or automatically charges the battery; when power import is detected, the AURA 5000 increases discharge power.



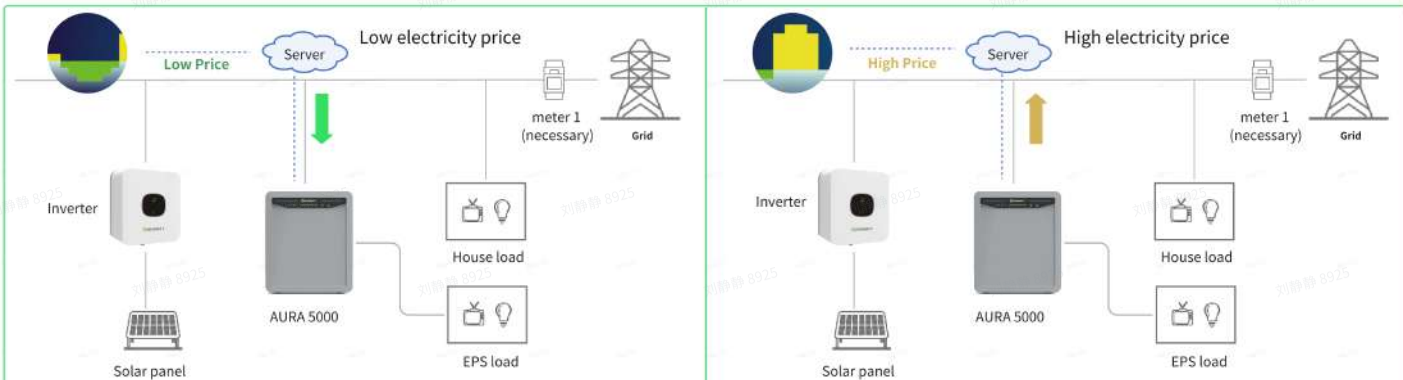
Work Modes - AI Smart Mode



AI Smart Mode

Growatt leverages AI-driven price optimization to automatically charge during high-price periods and discharge during low-price periods.

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



Leading Features

A modern two-story cabin with a dark grey or black exterior finish. The house features a prominent gabled roof with a large, multi-paned window on the upper level. A balcony with a dark metal railing is visible on the second floor. The ground floor has large glass doors and windows, revealing a dining area with a table and chairs. The house is surrounded by tall evergreen trees, and the sky is a deep blue, suggesting dusk or dawn. The interior lights are on, creating a warm glow. A bicycle is parked on the steps leading to the front porch.

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°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.

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!

Professional Energy Storage Expert

Recognized Renewable Energy brand

Outstanding Solar Performance

timespan of over 15 years.

“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



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



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