

Endless Green Power. Effortless Savings.



SPECIFICATIONS

Features	Descriptions
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 (Micro-Inverter Input / Load Output)	
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+
General	
Charging/Discharging Temperature Range	-20°C-60°C/-20°C-60°C*
Dimensions(W/D/H)	450*198*528.5mm
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.

GROWATT



AURA 5000 ^{NEW}

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Bidirectional Charge and Discharge

When installed via plug-and-play, this AC-coupled battery system accepts up to 2300W, provides 800W default output, and with Power+, delivers up to 2300W.



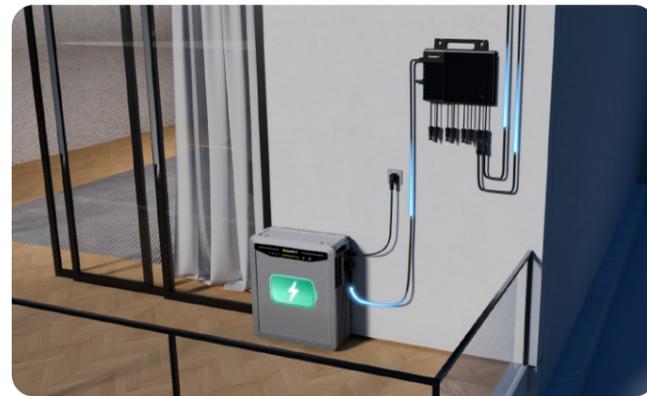
Local Smart Control - No Network Requirement

The Growatt SEM5-1 Smart Meter and SM-WLS01 Reading Head utilize LoRa communication for long-distance, strong-penetration data transmission.



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 Easy Setup: Plug & Play

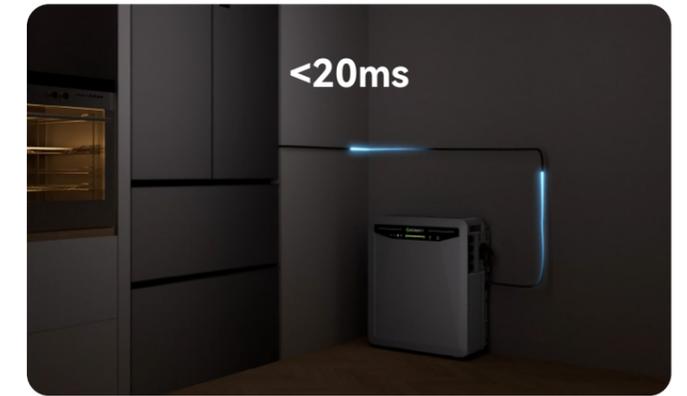
Simply plug the microinverter directly into your AURA 5000, store extra solar energy into your battery.

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



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

Connect critical loads to the AURA 5000 and enable EPS in the app for 20ms automatic off-grid backup, ensuring uninterrupted power.



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



AI-Powered Smart Scheduling in Dynamic Tariff

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.



IP66 Waterproof and -30°C Startup

Featuring IP66 waterproofing and -30°C startup, AURA reliably powers villas, balconies, gardens, and apartments in any weather.



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.