

Endless Green Power. Effortless Savings.



SPECIFICATIONS

Features	Descriptions
On-grid Port	
AC Input	2300W Max (Plug & Play Installation) 2500W Max (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 (PV Inverter Input / Backup)	
PV inverter input power	2500W
Rated backup output power	2500W
Peak power	3.5KVA
UPS mode	Supported (transfer time10ms)
Battery Specifications	
Battery type	LiFePO4
Battery capacity	5024Wh
Rated voltage	16V
Cycle life	10,000+
General	
Charging/Discharging Temperature Range	-20°C-60°C/-20°C-60°C*
Dimensions(W/D/H)	450*198*530mm
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



NODE 5000 NEW

en.growatt.com



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.



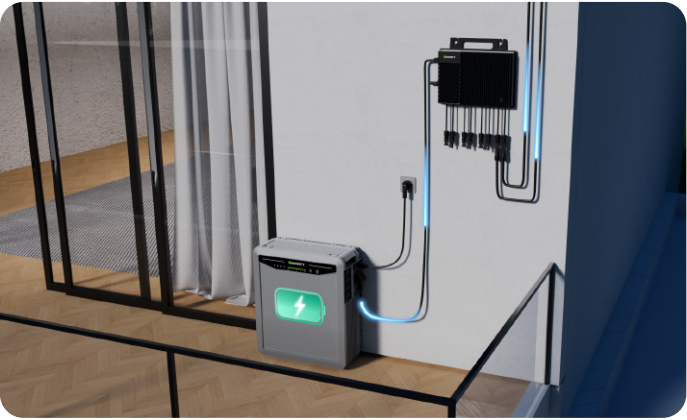
Local Smart Control - No Network Requirement

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



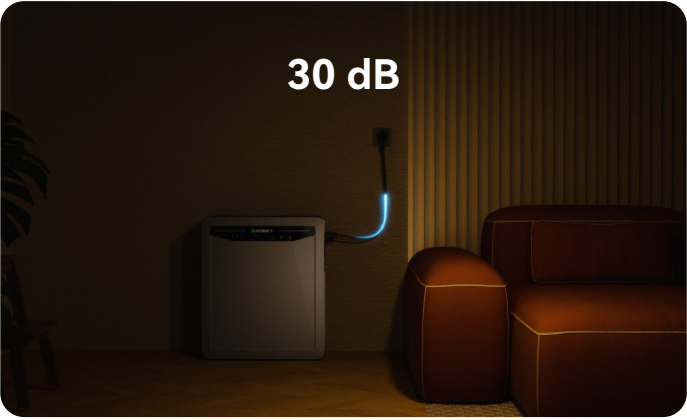
AC-Coupled Freedom: 100% Inverter Compatibility

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.



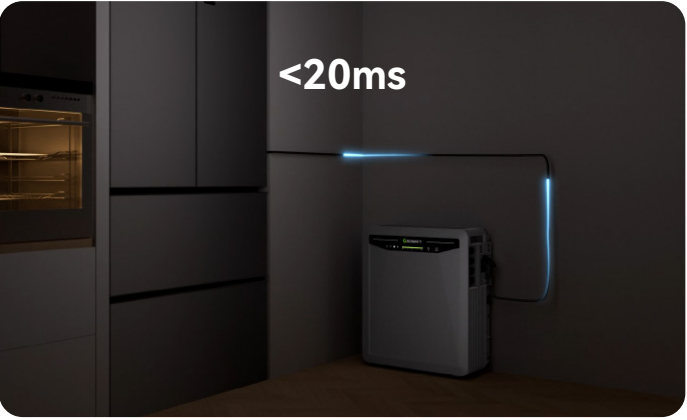
AC-Coupled Easy Setup: Plug & Play

Simply plug the microinverter directly into your NODE5000, store extra solar energy into your battery.



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, < 10ms UPS

Connect critical loads to the NODE 5000 and enable UPS in the app for 10ms automatic off-grid backup, ensuring uninterrupted power.



Compatible With Smart Meters

NODE 5000 is associated with smart meters and can intelligently adjust device output power in real-time.
Shelly 3em, Shelly Pro 3em, EverHome EcoTracker, SEM5-1, SM-WLS01
Real-time load monitoring



AI-Powered Smart Scheduling in Dynamic Tariff

NODE 5000 Uninterruptible Power Supplywith 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, NODE reliably powers villas, balconies, gardens, and apartments in any weather.



Safe & Reliable LFP Battery

The NODE 5000 Uninterruptible Power Supply uses the best LiFePO4 battery for energy storage, providing you with 10000+ cycles, ensuring your battery will stand the test of time.