



Inverter GROWATT WIT 15K-HU 48V LV Battery inverter 15000W IP66

Product code 19431

Growatt WIT 4-15K-HU – versatile hybrid inverter for residential and commercial solutions

The Growatt WIT 4-15K-HU series is designed for efficient solar energy production and storage, offering an inverter, battery charger, and grid connection in one device. These three-phase hybrid inverters are ideal for homes and small commercial projects where maximum self-consumption, energy independence, and reliable backup power are essential.

Key Features:

- Hybrid solution: combines solar energy generation, battery storage, and grid energy usage.
- Three-phase output with 100% phase unbalance capability.
- Built-in UPS function with a fast switchover time of up to 10 ms during power outages.
- Ability to connect two battery clusters directly without an additional combiner box.
- Supports 40-60 V lead-acid and lithium-ion batteries, including Growatt AXE low-voltage battery systems.
- High efficiency: European efficiency up to 97%, MPPT efficiency up to 99.9%.
- Integrated generator input and smart load control.
- Maximum charge/discharge current up to 290 A (depending on the model).
- IP66 protection rating and operating temperature range from -30°C to +60°C.

Advantages:

- Increases self-consumption and reduces dependence on the power grid.
- Provides reliable backup power for critical loads.
- Scalable – compatible with modular batteries for easy expansion.
- Flexible installation for both indoor and outdoor environments.
- Real-time monitoring via OLED/LED display and app.

Technical Specifications (depending on the model):

- Nominal AC power: 4 kW to 15 kW
- Maximum recommended PV power: 6.4 kW to 24 kW
- MPP trackers: 1-2

Suitability:

This series is the perfect choice when the goal is to maximise solar energy utilisation, ensure a flexible battery solution, and maintain reliable operation even during power outages.

Warranty	5 years
Brand	GROWATT
Output voltage	400V
Output	15000W
Maximum output	15000W
Rated current	50A
Protection class	IP66
Operation temperature	-30°C ... +60°C
Manufacturer's homepage	en.growatt.com/products/wit-4-15k-hu
Energy class	