



# 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

 $Manufacturer's \ homepage \ \underline{en.growatt.com/products/wit-4-15k-hu}$ 

