

# Grid-Tie Solar Inverter

This on-grid PV inverter is designed for residential and commercial solar power systems. It efficiently converts DC power from solar panels into AC power suitable for grid connection.



## Overview

### High-Performance Grid-Tie Inverter

This grid-tie solar inverter is designed for residential and commercial solar power systems, offering a maximum efficiency of 98.0%. It features a robust, transformerless design with IP65 protection, ensuring durability and reliability in various environmental conditions. With advanced MPPT tracking and comprehensive protection functions, this unit optimizes energy production while maintaining strict compliance with international grid standards.

## Performance Metrics

### Efficiency Ratings

**98 %**

Max Efficiency

**97.4 %**

European Efficiency

## Input Specifications

### PV Input Characteristics

Parameter	Value
Max Input Voltage	600V
Rated Input Voltage	360V
Max Input Current	22A (2*11A)
MPPT Operating Range	70V-580V
Number of MPPTs	2

## Output Specifications

### AC Output Characteristics

Parameter	Value
Rated AC Active Power	6,000W
Max AC Apparent Power	6,600VA
Max AC Output Current	28.6A
Rated AC Voltage	220V/230V
THDI	<3% (Rated Power)

## Environmental & Physical

### Physical Dimensions

**12.8 Kg**

Weight

**4000 m**

Max Altitude

### Environmental Protection

IP65 • Natural Cooling • -25 to 60 Operating Range

## Compliance & Safety

### Safety & Grid Standards

IEC62109-1, IEC62109-2, VDE-AR-N 4105, VDE 0126-1-1

## Communication & HMI

### Communication Interfaces

- Bluetooth
- LED Display
- RS485 (Optional)
- WIFI (Optional)
- GPRS (Optional)
- LCD (Optional)