

1000W Grid Tie Solar Inverter

This 1000W grid tie solar inverter is designed for home use. It converts DC power from solar panels into AC power that can be fed into the grid.



Product Overview

High-Efficiency Grid Tie Inverter

This 1000W grid-tie solar inverter is engineered for efficient home energy management, converting DC power from solar panels into grid-compatible AC power. It features intelligent MPPT charging technology to maximize energy extraction and supports parallel operation, allowing users to scale power output by connecting multiple units. Designed with safety in mind, the system includes comprehensive protections against overvoltage, undervoltage, and overheating, ensuring reliable performance.

Technical Specifications

Rated Power Output	1000 W
MPPT Voltage Range	30-40V
DC Input Voltage (Vmp)	35-39V
Open Circuit Voltage (Voc)	42-45V
AC Output Rating	230V / 50Hz

Features & Safety

Key Features

- Intelligent MPPT charge technology
- Parallel compatible for scalable power
- Active cooling with load/temperature regulation
- Low standby power consumption
- High conversion efficiency

Safety Protections

Overvoltage Protection, Undervoltage Protection, Over-temperature Protection, Anti-islanding, Frequency Protection