

Single-Phase String Inverter for Solar PV Systems

This single-phase string inverter is designed for residential and small commercial solar PV systems. It converts DC electricity from solar panels into AC electricity for powering homes and businesses or feeding back into the grid.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Energy Conversion

This single-phase string inverter is designed specifically for residential and small-scale commercial solar photovoltaic installations. It features a compact, ultra-thin four-layer circuit board design that optimizes reliability and minimizes installation risks. With advanced MPPT technology and high-frequency switching, this unit effectively converts DC solar power into usable AC energy for grid-tied applications.

Performance

Power Output Range

2.5 kW

Minimum Output

6 kW

Maximum Output

Key Features

High Efficiency, Grid-Tied Ready, Ultra-High Frequency Switching, MPPT Technology

System Integration

Communication and Interface

- Integrated 4G communication capabilities
- Advanced remote monitoring
- User-friendly interface with LCD display
- Comprehensive system protection functions

Physical Design

Design Specifications

Feature	Specification Detail
Phases	Single-Phase
PCB Design	Ultra-thin four-layer board
Application	Residential / Small Commercial