

Three-Phase Low Frequency Solar Power Inverter, 3kW-45kW

This low-frequency inverter is designed for three-phase solar power systems, with a power range of 3kW to 45kW. It provides reliable AC power output with high efficiency, suitable for both on-grid and off-grid applications.



ADDITIONAL IMAGES



Product Overview



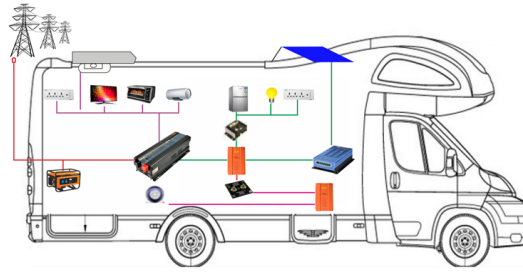
Professional Three-Phase Solar Inverter

This industrial-grade, low-frequency three-phase solar inverter delivers robust power conversion with output capacities ranging from 3kW to 45kW. Engineered for reliability, it features pure sine wave output and high-efficiency operation suitable for both on-grid and off-grid renewable energy systems. The unit includes advanced protection mechanisms and flexible communication options, ensuring stable power delivery for complex industrial, commercial, and residential applications.

Electrical Performance

Continuous Output Power Range	3,000W - 45,000W
Surge Rating (20s)	9,000W - 135,000W
Peak Inverter Efficiency	89 %
Total Harmonic Distortion (Full Linear Load)	3 %

System Compatibility



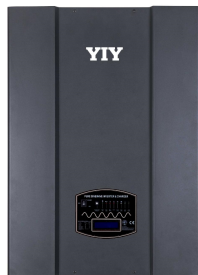
Supported Battery Types

- Gel U.S.A
- AGM1
- AGM2
- Sealed Lead Acid
- Gel Euro
- Open Lead Acid
- Calcium

Supported DC Input Voltages

12VDC, 24VDC, 48VDC

Connectivity & Control



User Interface

LED Display • LCD Display

Communication Ports

RS232, RS485, CAN

Operational Metrics

Idle Consumption (Search Mode)

100 W

Idle Consumption

Safety & Standards

Key Protection Mechanisms

- Overload Protection
- Short Circuit Protection
- Over-voltage Protection
- Under-voltage Protection
- Over-temperature Protection

Certifications

CE, ETL, UL, ISO, CCC