

# 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



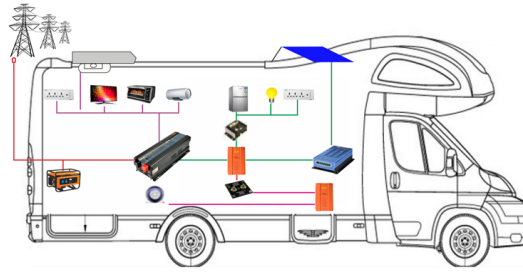
### Professional Three-Phase Solar Inverter

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



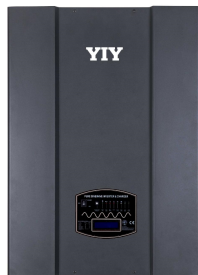
### Supported Battery Types

- 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