

## 3.6-5kW Hybrid Solar Inverter

This hybrid inverter ranges from 3.6kW to 5kW and is designed for efficient energy conversion and management. It integrates solar energy, battery storage, and grid power sources to optimize energy usage and provide backup power.



### ADDITIONAL IMAGES



### Overview

#### High-Efficiency Hybrid Energy Solution

This hybrid solar inverter is engineered for seamless integration across solar, battery, and grid power sources. Designed for residential and commercial applications, it features advanced soft-switching and DSP control technology to ensure optimal energy management. With a power range of 3.6kW to 5kW, it offers flexible operating modes and intelligent real-time monitoring to maximize system efficiency.

### Performance Metrics

#### Power Output Range

<b>3.6 kW</b> Minimum Power	<b>5 kW</b> Maximum Power
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#### Efficiency

96 %

### Technical Features

#### System Capabilities

- Solar, battery, and utility power integration
- Flexible and programmable operating modes
- Backflow prevention
- Grid-tie functionality
- Intelligent real-time monitoring

#### Core Technologies

Soft-switching, DSP Control, MPPT Technology, Smart Energy Management

## Battery & Safety

### Safety Protections

Overvoltage Protection • Short-circuit Protection • Thermal Protection

### Battery Compatibility

Flexible adaptation for Lithium batteries with integrated battery management

## Installation & Design

### Design Advantages

- Small footprint
- Lightweight construction
- Simplified installation
- User-friendly LCD interface