

Pure Sine Wave Power Inverter

This power inverter utilizes DSP Sine Wave Technology to deliver a steady and reliable power source. It provides high efficiency and low noise, suitable for solar/wind power, telecommuni- cations, and industrial applications.



Overview

Advanced Pure Sine Wave Inverter Series

This advanced inverter series utilizes DSP Sine Wave Technology to provide a steady, reliable source of 100% pure power for critical applications. Designed with an output isolation transformer, these units ensure that DC input is electrically separated from AC output, minimizing interference and ensuring high efficiency. These robust systems are engineered for demanding environments including telecommunication systems, power plants, and industrial machinery.

Key Features

Core Features

- True Sine Wave output
- DSP based PWM technology
- Constant voltage and frequency regulation
- Perfect adaptability for RC & RL loads
- Output with isolation transformer
- LCD display for real-time status monitoring

Technical Specifications

Performance Metrics

85 % Efficiency (Single Phase)	90 % Efficiency (Three Phase)	3 % Total Harmonic Distortion (Linear)	50 Hz Output Frequency
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Protection Mechanisms

Overload • Short circuit • Low-Voltage • Over-Voltage • Over-temperature

Environmental Limits

Parameter	Range
Operating Temperature	-10 to 50°C
Humidity	20% to 90% (Non-condensing)

Cooling System

Forced air cooling