Home Power Inverter and Charger

This device combines an inverter and battery charger for home power solutions. It supports multiple input and output voltages and frequencies, with indicators for power status and potential issues.

Product Overview

NS Series Pure Sine Wave Inverter

The NS Series is a low-frequency pure sine wave inverter and charger designed to provide reliable power for commercial, home, and workstation applications. With a capacity range of 1000W to 6000W, it effectively supports inductive loads such as air conditioners, refrigerators, and heavy-duty power tools. The system features a fully automatic operation, high charging efficiency, and robust protection mechanisms to ensure stability and equipment longevity.

Performance Metrics

Capacity Range

1000 W	6000 W
Minimum Power	Maximum Power

Transfer Time	10 ms
Power Factor	0.9-1

Battery & Charging

Supported Battery Types	Lead-acid, Gel, AGM
Charging Stages	Three-stage (Large current, Absorption, Floating)
Charging Current	35A - 70A

Technical Specifications

Design Configurations

Wall Mounted • Rack Mounted

Safety Protections

- Low voltage protection
- High voltage protection
- Overload protection
- Over temperature protection
- Short circuit protection
- Back-feed protection

DC Input Voltage Configuration

Power Range	DC Input
1KW - 3KW	12V / 24V / 48V
4KW - 5KW	24V / 48V