

Pure Sine Wave Solar Power Inverter and AC Charger

This pure sine wave inverter and AC charger is designed for solar power applications. It converts DC power from batteries into AC power and functions as an AC charger when AC power is available.



Overview

Professional Power Conversion

The AWM-1512 is a versatile Pure Sine Wave Inverter and AC Charger designed for reliable off-grid and backup power applications. Featuring advanced battery management technology, it supports customizable AC charging profiles for various battery chemistries, including GEL, AGM, and lead-acid. With intelligent thermal cooling and comprehensive protection circuits, this unit provides safe and stable AC power for demanding equipment like air conditioners and refrigeration.

Performance Metrics

Power Ratings

1.5 KW

Rated Power

4.5 KW

Peak Power

90 %

Transfer Efficiency

Technical Specifications

Output Characteristics

Feature	Specification
Output Waveform	Pure Sine Wave
DC Mode Voltage	220/230/240VAC \pm 2%
Transfer Time	ms

Battery Compatibility

GEL U.S.A., Gel European, A.G.M.1, A.G.M.2, Sealed lead acid, Open lead acid, Calcium(open), Deep sulphation cycle

Solar Controller

MPPT Controller Specs

- Charging Current: 30A / 50A
- Max PV Open Circuit: 70VDC
- Automatic System Recognition: 12V/24V or 24V/48V
- Temperature Compensation: -4.0mv/°C/2V

Physical Dimensions

Weight and Size

- Product Dimensions: 460 x 245 x 200mm
- Net Weight: 19.5kg
- Gross Weight: 21.8kg