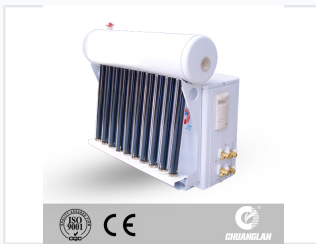


Solar-Assisted Hybrid Air Conditioner

This hybrid air conditioner uses both electricity and solar energy as a supplemental power source. It combines an absorption working system with a compression system to achieve energy savings and environmental protection.



ADDITIONAL IMAGES



Overview

Solar-Assisted Hybrid Technology

This hybrid solar air conditioner utilizes solar energy as an auxiliary power source to complement traditional electrical operation. By integrating solar thermal collectors with a standard compression system, the unit achieves significant energy savings of 30% to 50% compared to conventional models. Designed for robust performance, it operates smoothly in temperatures ranging from -5°C to 53°C, making it suitable for demanding T3 climate conditions.

Key Features

Energy Efficiency

30-50% Energy Saving

Certifications

ISO, CE

Performance

Performance Data

Metric	Range (Low-High Capacity Models)
Cooling Capacity (W)	2600 - 7200
Heating Capacity (W)	2900 - 7900
Noise Level (Indoor)	40 - 50 dB(A)
Air Circulation (m ³ /h)	450 - 1050

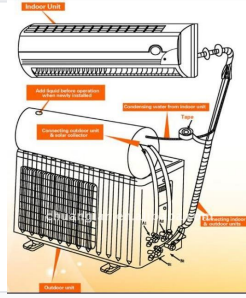
Operating Temperature

-5°C to 53°C

Power Supply

220-240VAC, 1PH, 50Hz

Technical Specifications



System configuration diagram showing the connection between the indoor unit, outdoor unit, and solar collector array.

Vacuum Tube Configuration

- Diameter: 47mm
- Length: 500mm - 620mm
- Quantity: 9 - 11 pieces

Installation Requirements

Easy installation process, similar to standard air conditioning units; requires liquid refrigerant addition upon initial setup.