

DC Off-Grid Solar Air Conditioner Split System

This DC off-grid solar air conditioner split system uses 48V DC power directly from solar and batteries. It is designed for areas without electricity, unstable power grids, or high electricity prices.



Product Overview

Sustainable Cooling Solution

This DC off-grid solar air conditioner split system is designed for high-efficiency cooling in areas without electricity, low power, or unstable power grids. By operating directly on DC 48V voltage, it eliminates energy conversion losses associated with traditional AC systems. The integrated system utilizes photovoltaic sources to power the unit while simultaneously recharging batteries, ensuring reliable operation even in remote locations.

Technical Specifications

Operating Voltage	DC 48V
Maximum Working Temperature	58 °C

Key Features

Core Technologies

- APP Smart Control
- T3 Tropical Climate Rated
- MC4 Solar Connector
- All-in-one Compressor Design
- Brushless DC Motor Drive

MPPT Controller Efficiency

95 %

Efficiency

Applications

Recommended Use Cases	Off-grid areas, Unstable power grids, High electricity cost regions, Low power infrastructure
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