

# 300W Solar Home Power System with 2 x 150W Solar Modules and 12V/70Ah Batteries

This solar home power system delivers 300W of power. It includes two 150W solar modules and four 12V/70Ah batteries.



## System Overview

### Comprehensive Solar Power Solution

The 300W Solar Home Power System is designed to provide reliable, off-grid energy for residential applications. This all-in-one setup integrates solar modules, a battery bank, and a power distribution box to ensure consistent electricity availability. It is engineered for efficiency, featuring a 500W inverter and built-in protection mechanisms to support domestic lighting and appliance needs.

## Performance Metrics

### Key Performance Indicators

**300 W**

Rated Wattage

**3000 WH**

Maximal Capacity

**500 W**

Maximal Output Power

## System Configuration

Solar Array	2 x 150W Modules
Battery Bank	4 x 12V/70Ah Batteries

## Technical Specifications

Inverter Specifications	12V / 500W
PV Controller	2 x 12V/10A
Output Voltage	AC 110V / 230V

## Physical Dimensions

Distribution Box Dimensions	48 x 45 x 85 cm
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## Logistics

### Container Load Capacity

Container Type	Capacity
20ft Container	55 sets
40ft Container	110 sets
40ft HQ Container	110 sets