

Dual Axis Solar Tracker for 5kW Systems

This dual axis solar tracker is designed for 5kW systems. It is compatible with 125mm, 72-cell monocrystalline PV modules, typically ranging from 160Wp to 180Wp with reference dimensions of 800mm x 1600mm.



Product Overview

Dual Axis Solar Tracking System

This dual-axis solar tracker is designed for high-efficiency 5kW solar power systems. It utilizes an initiative tracking principle with a precision of $\pm 2^\circ$, significantly improving annual power yields by 30-40%. The system features rugged construction and intelligent automated controls, making it a reliable solution for maximizing solar energy production.

Performance Metrics

System Performance

35 %

Annual Power Promotion

2 °

Tracking Precision

5 W

Self Power Consumption

Technical Specifications

Tracking Ranges

Axis	Range
Vertical	0°-75°
Horizontal	0°-300°

Mechanical Properties

- Weight: 1950kg
- Available PV area: 40m²
- Max wind resistance: 40m/s
- Protection wind speed: 22m/s

Features

Capabilities

Automatic Tracking, Wind-Resistant, Dual Position Limitation, Remote Supervision, Manual Control

Compatibility

PV Module Specifications

125mm, 72-cell monocrystalline PV module; reference size: 800mm x 1600mm; peak power: 160Wp-180Wp