

Single-Axis Smart Flower Solar Panel

Model: HJ-FLOWER-S Power: 5KW, 6KW, 8KW, 10KW, 20KW, Customization

Summary

The Single-Axis Smart Flower Solar Panel from HighJoule provides a simplified tracking solution. With one degree of movement, this design balances energy efficiency with affordability, delivering solid performance while reducing mechanical complexity.



Single-Axis Smart Flower Solar Panel (HJ-FLOWER-S)

Product Features

Vertical Tilt Tracking

Single-axis tilt adjusts for seasonal elevation angles, boosting efficiency with simpler mechanics.

Affordable Efficiency

Lower installation and maintenance costs while still achieving excellent solar performance.

Battery Integration

Equipped with lithium-ion storage for 24H operation in off-grid or hybrid systems.

Rural & Semi-Urban Use

Ideal for off-grid homes, school zones, and agricultural applications with reliable energy needs.

Quick Setup

Simplified structure allows rapid deployment and low technical barrier for installation teams.

Flexible Configuration

Supports multiple output levels from 5KW to 20KW depending on local demand.

Technical Parameters

Specifications

Model Number	HJ-FLOWER-S
Solar Cell Type	PERC / HJT / TOPCon
Cell Efficiency	98%
Output Power (W)	5KW, 6KW, 8KW, 10KW, 20KW
Output Voltage (V)	48V
Output Frequency	50Hz
Wind Resistance	≥12 m/s
Battery Type	Lithium-Ion
Controller	MPPT
Mounting Type	Tilt-adjustable ground-mount
Working Time	24 hours
Unit Weight	~100 kg

Application

Suitable for eco-villages, school campuses, agricultural zones, and semi-urban communities that need reliable solar without the complexity of dual-axis tracking.

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