

Horizontal Axis Smart Flower Solar Panel

Model: HJ-FLOWER-H Power: 5KW, 10KW, 20KW, 30KW, Customization

Summary

HighJoule's Horizontal Axis Smart Flower Solar Panels are engineered for locations requiring daily east-west sun tracking. Using a ground-mounted rotating stem, the system follows the sun's horizontal arc, maximizing exposure during the day. It is ideal for regions with high direct sunlight and flat terrain.



Horizontal Axis Smart Flower Solar Panel (HJ-FLOWER-H)

Product Features

Horizontal Solar Tracking

Follows the sun's east-west movement to maximize daily solar exposure and improve energy yield.

High Output Power

Supports 5KW to 30KW configurations with advanced monocrystalline PERC or TOPCon solar cells.

Wind Protection System

Automatically folds within 15 seconds under wind speeds $\geq 12\text{m/s}$ to protect structural components.

Smart Control Integration

Equipped with MPPT tracking and intelligent battery management for efficient energy conversion and storage.

Ideal for Solar Farms

Perfect for large open landscapes, solar farms, and agriculture zones seeking performance and reliability.

Full Customization Available

Custom petal shapes, solar specs, and mounting options tailored for project-specific needs.

Technical Parameters

Specifications

Model Number	HJ-FLOWER-H
Solar Cell Type	Monocrystalline, PERC / TOPCon / N-TYPE / HJT
Cell Efficiency	Up to 98%
Output Power (W)	5KW, 10KW, 20KW, 30KW
Output Voltage (V)	48V
Output Frequency	50Hz
Controller Type	MPPT / Smart Solar Tracking
Wind Resistance	≥12 m/s (auto fold within 15s)
Battery Type	Lithium-Ion
Working Time	24 hours
Mounting Type	Ground-mount with horizontal axis
Panel Rotation Radius	2.5m

Application

Ideal for solar farms, large public plazas, agriculture zones, commercial rooftops, and

tech parks—where maximum daily sun tracking is needed and visual design complements modern infrastructure.

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.highjoule.com>



Scan QR Code
Visit Our Website