

PIENAAR ENERGY (PTY) LTD

Huawei Intelligent Photovoltaic Tracking Bracket



**Efficient
Higher Revenue**

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPP Trackers, 150% DC Input Oversizing
- Max. PV Input Current 16A, Compatible with High Power Modules



**Intelligent
Simple O&M**

- IP66 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection



**Flexible
Abundant Configuration**

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead-acid and Lithium Batteries
- Max. 6 units Inverters Parallel
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

Overview

This system combines flexible cushioning with rigid support and incorporates closed-loop feedback control technology to achieve precise tracking of sunlight, leading the way into a new era for photovoltaic tracking systems. With the highest L4 CGC certification, the cutting-edge Smart I-V Curve Diagnosis facilitates instant identification of faulty modules and reduced reliance on manual inspection, saving time and costs. Thanks to the AI algorithm, the smart tracker automatically adjusts the angle to optimize sunlight. The principle of photovoltaic intelligent tracker is to make the solar panel change with the change of the sun's angle, always keep facing the sun, so that the sunlight can directly shine on the power device of the solar panel. Photovoltaic brackets. Photovoltaic tracking bracket is a supporting device that adjusts the angle in real time to follow the sun's azimuth (east-west direction) and altitude angle (north-south direction) through mechanical and electronic control systems, providing an optimal light-receiving posture for solar panels.

Huawei Intelligent Photovoltaic Tracking Bracket

Support any customization

Inkjet Color label LOGO



Huawei Mounting Bracket

The Huawei Mounting Bracket is engineered with precise technical parameters to meet stringent performance and safety standards. It supports batteries weighing up to 50 kg, with dimensions ...

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Intelligent Photovoltaic Tracking Bracket with Integrated Closed Loop

This system combines flexible cushioning with rigid support and incorporates closed-loop feedback control technology to achieve precise tracking of sunlight, leading the way into a new era for ...



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How to choose between photovoltaic intelligent tracking ...

The method of tracking the energy emitted by sunlight according to ...

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Huawei Intelligent Photovoltaic Tracking Bracket

Digital transformation is the foundation of intelligence. And the higher the degree of digitalization, the easier it is to realize intelligence. With the development of digital IT, Huawei's Smart.

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114KWh ESS



Photovoltaic Bracket with Smart Tracking Control?

One such innovation is the photovoltaic bracket with smart tracking control, a cutting-edge development in the solar energy industry. This article explores how these advanced systems work ...

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How to use the photovoltaic intelligent tracking bracket

How to determine optimum solar power from a tracking system? The idea is to find the optimum zenith, vertical rotation, and azimuth angles to determine the horizontal rotation of the solar panels.

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Smart PVMS , Management System , HUAWEI Smart PV Global



Huawei's Commercial & Industrial Smart PV Management System streamlines power plant deployment with rapid automation. The module-level fault detection cuts costs by over 50%. Real-time monitoring ...

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photovoltaic tracking brackets

Photovoltaic tracking brackets boost power generation efficiency by 10%-30% vs fixed brackets, adapting to diverse terrains and integrating with smart technologies.

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Smart Tracking

Helps users monitor the running status of the smart tracker and displays the energy yield improvement facilitated by the smart tracker through array comparison.

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How to choose between photovoltaic intelligent tracking bracket and

The method of tracking the energy emitted by sunlight according to the

sensor is called photovoltaic intelligent tracking bracket system, and the accuracy of solar tracking can be ...

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 **TAX FREE**    

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW/115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



PV System , HUAWEI Smart PV Global

Thanks to the AI algorithm, the smart tracker automatically adjusts the angle to optimize sunlight exposure, ensuring maximum power generation even in rainy weather, over complex terrains, and for ...

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