

# MANUALLY ADJUSTABLE GROUND MOUNTING

## Overview

Manually Adjustable Ground Terrace is suitable for the installation of large-scale commercial and utility solar power stations.

The product has a firm structure with strong stability.

The main parts are made of carbon steel, which has good corrosion resistance.

The product is flexible in design, and the angle of the panel can be adjusted manually, making the power generation more efficient and profitable.

The optimized design of the structure effectively improves the installation time and greatly reduces the installation cost.



Ground Mounting  
System



Tilt Angle  
10-60°



Ground Clearance  
1000mm+



Suitable for framed  
Solar Modules



Panel Layout  
Portrait



10  
Years  
Warranty



## Advantages

### Strong adaptability to the environment, high power generation efficiency

Suitable for different ground environments

### Adjustable angle design

The entire system can manually adjust the required angle, making power generation more efficient and more profitable.

### Fully compatible with different PV modules

It is compatible with various types of PV modules freely and flexibly.

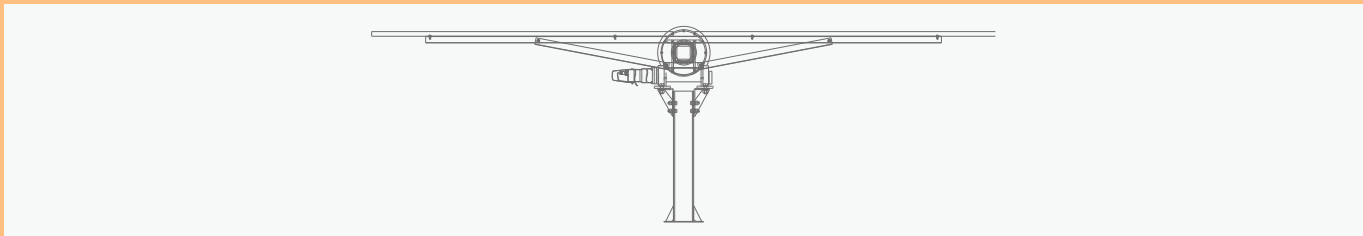
### Professional structural design

It can ensure the overall stability and strength of the system. It was pre-assembled in the factory prior to delivery and the installation only needs to be fixed and spliced with fasteners on site.

## Technical Parameters

|                         |               |                  |                                                |
|-------------------------|---------------|------------------|------------------------------------------------|
| System Name             | Ground        | Design Standard  | Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 |
| Installation Site       | Concrete Base |                  | International Building Code IBC 2009,          |
| Tilt Angle              | 10-40°        |                  | California Building Code CBC 2010              |
| Wind Load               | ≤40m/s        | Material         | Q235B(HDG) & Q355(HDG)                         |
| Snow Load               | ≤0.8KN/m²     | Fastener         | SUS304 & Nickle-Zinc Alloy & Q355(HDG)         |
| Ground Clearance        | ≤1000mm+      | Small Components | Q235B(HDG)                                     |
| Applicable Solar Module | Framed        | Color            | Silver or Customized                           |
| Panel Layout            | Portrait      | Warranty         | 10-Year Warranty                               |

## Structure



## Component Details



Square Steel

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Angle Bar

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Control Box

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Post

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Holder for Post of Push Rod

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Bearing's Plate

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Bearing base

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



U-shape Bolt

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



Electric Push Rod

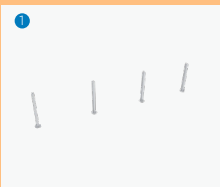
Material :  
Steel Q235B  
(Hot-Dip Galvanized)



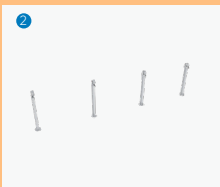
Hoop Kit

Material :  
Steel Q235B  
(Hot-Dip Galvanized)

## Installation Guide



Install Posts according to the engineering drawing



Install motor and bearing sleeve



Install main beams



Install damper



Install portrait beams



Use Inter Clamp Kits and End Clamp Kits to fix panels