FlexRack

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


Ground Clearance 1000mm+


Suitable for framed Solar Modules


Panel Layout Portrait

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.

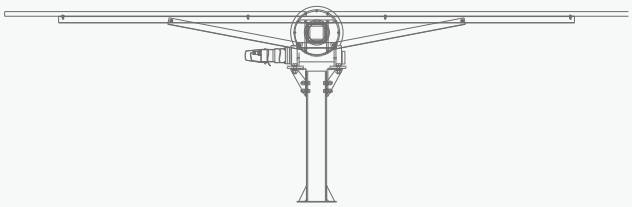
Fully compatible with different PV modules
It is compatible with various types of PV modules freely and flexibly.

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 International Building Code IBC 2009, California Building Code CBC 2010
Installation Site	Concrete Base		
Tilt Angle	10-40°		
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

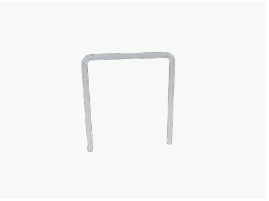
Material :
Steel Q235B
(Hot-Dip Galvanized)

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