

# YIJIA

## Photovoltaic Ground Mounting II



### Technical Parameters

Installation Site	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Foundation	C-shape, I-shape, 几-shape Piles		International Building Code IBC 2009
Tilt Angle	0-60°		California Building Code CBC 2010
Wind Load	≤ 60m/s	Material	Q235B(Hot-Dip Galvanized)
Snow Load	≤ 1.6KN/m <sup>2</sup>	Fastener	SUS304 & Hot Dip Galvanized
Ground Clearance	≤ 500-2000mm	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

### Overview

Ground Solar PV Mounting System is applied for the installation of large-scale and utility-scale solar PV power plant. Components are made of hot-dip galvanized steel, with good performance with varied solar modules. Unique piles and structure design save installation time and cost.



### Advantages

#### Unique Pile Design

Unique post design suitable for varied soil conditions and strengthen the whole structure stability

#### Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

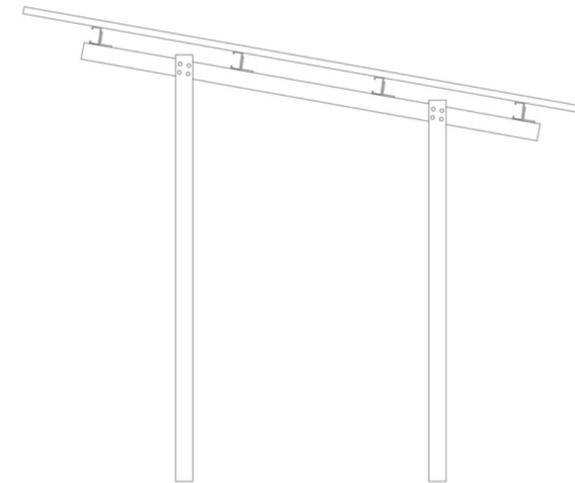
#### Flexibility and Adjustability

The structure can be adjusted with some tolerance with east-west, west-south and south directions, assuring flexible on-site installation to achieve best yield for solar modules

#### Compatible to Varied Solar Modules

Module clamps, the system compatible with most kinds of framed 60-cell, 72-cell, half-cut cells modules and frameless modules

### Structure



### Component Details

<p>1</p>  <p><b>Rail</b> Material: Steel Q235B (Hot-Dip Galvanized)</p>	<p>2</p>  <p><b>Beam Connector</b> Material: Steel Q235B (Hot-Dip Galvanized)</p>
<p>3</p>  <p><b>C-shape Pile</b> Material: Steel Q235B (Hot-Dip Galvanized)</p>	<p>4</p>  <p><b>Pile</b> Material: Steel Q235B (Hot-Dip Galvanized)</p>
<p>5</p>  <p><b>Inter Clamp Kit</b> Components : Inter Clamp, Spring Washer M8, Hexagon Socket Bolt</p>	<p>6</p>  <p><b>End Clamp Kit</b> Components : End Clamp, Spring Washer M8, Hexagon Socket Bolt</p>

### Installation Guide

<p>1</p>  <p>Install the C-shape Pile based on project solution.</p>	<p>2</p>  <p>Install Inclined Support.</p>	<p>3</p>  <p>The installation of Inclined Support is done.</p>
<p>4</p>  <p>Installation the Beam.</p>	<p>5</p>  <p>Fix the solar module with Inter Clamp Kit &amp; End Clamp Kit.</p>	<p>6</p>  <p>Installation is done.</p>