

# YIJIA

## Ground mounted system



### Technical Parameters

Installation Site	Ground	Design Standard	Euro Code/EN1991/1993/1994,Bs 6399, ASCE 7-10
Foundation	U Post		International Building Code IBC 2009
Tilt Angle	0-60°		California Building Code CBC 2010
Wind Load	≤60m/s	Material	Steel Q235B(Hot-Dip Galvanized),AL6005-T5(Anodized)
Snow Load	≤1.6KN/m²	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
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 Terrace is a highly pre-assembled ground mounting system, which can be applied to the installation of large commercial and utility scale solar PV projects. Made of high quality aluminum material. has excellent corrosion resistance performance. The single-pile patented structure design saves installation time and cost, with good compatibility to varied solar modules.



### Advantages

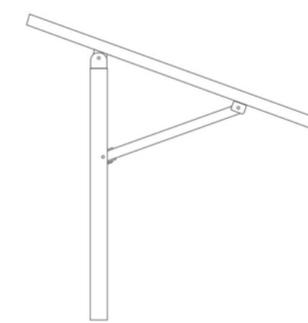
**Pre-assembled Components Save Onsite Installation Time**  
Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

**Single-Pile Design**  
Single-pile design reduce half of the ramming time, saving the construction cost.

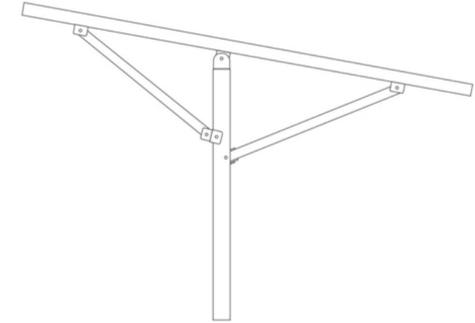
**Structure Configuration Multi-Options**  
Single or double embrace bars structure configuration available to meet varied projects requests.

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

### Structure



Single Arm Side Support



Double Arms Side Support

### Component Details

1		<b>Rail 85</b> Specification: L*63.5*85 Standard Length: 3100mm, 4100mm, 5100mm	2		<b>Splice for Rail 85</b> Specification: L260mm Components: Hexa Self-Tapping Screw With EPDM Washer ST6.3*19
3		<b>Pre-assembled Support</b> Components: U Beam; T Shape Joinder; C clamp Kit Pre-Assembled Square Tube Spring Washer M12; Washer M12 Hexagon Nut M12; Hexagon Bolt M12*95 Hexagon Bolt M12*75	4		<b>C Clamp Kit</b> Components: C Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt
5		<b>End Clamp Kit</b> Components: End Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt	6		<b>Inter Clamp Kit</b> Components: Inter Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt
7		<b>Post Plate</b> Material: AL6005-T5(Anodized) Specification: Plate A : L90 Plate B : L70	8		<b>U Post</b> Material: Steel Q235B (Hot-Dip Galvanized)

### Installation Guide

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