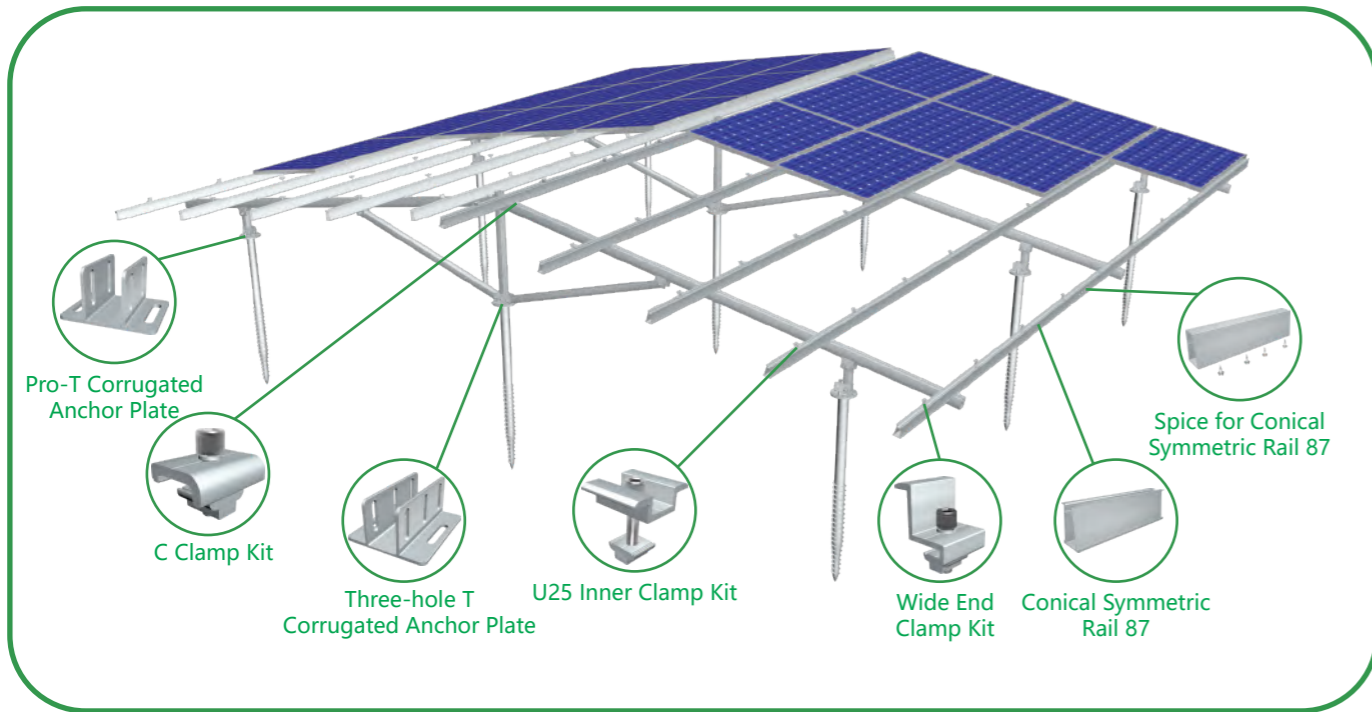


# MRac<sup>®</sup> Symmetrical Pro Ground Terrace SPGT4



## Technical Parameters

Installation Site	Ground	Design Standard	AS/NZS 1170 , DIN 1055 , JIS C 8955: 2017 ,
Foundation	Concrete Base or Ground Screw		International Building Code IBC 2009 ,
Tilt Angle	0-30°		California Building Code CBC 2010
Wind Load	60m/s	Material	AL6005-T5(Anodized)
Snow Load	1.6KN/m <sup>2</sup>	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

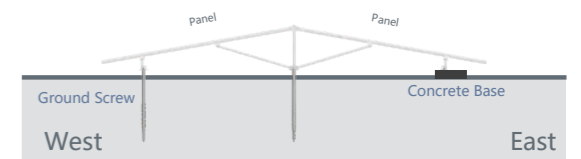
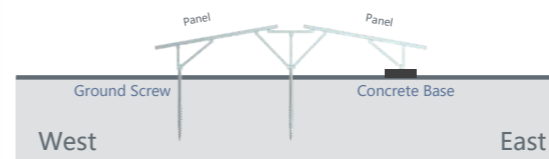
MRac Symmetrical Pro Ground Terrace PGT4 is suitable for medium to large scale solar PV projects. Main beams and post are optimized with better design and less material, with strong wind load and snow load resistance. The system can achieve minor adjustment onsite with special design of Anchor Plate to adapt to different sites. Patented and certified system design ensure projects safety and quick installation. Unique dual-orientation design suits for east-west installation, which improve the total capacity at same land area lead to better RoI.



## Advantages

- > **Symmetrical Design of Tilt-in-Nut and Rail Channel**  
No direction limitation for the nut and rail channel, improving the installation efficiency.
- > **A Leading Dual-Orientation and East-West Solution**  
The East-West system orientation allows better generation results over the day with less generation at noon time and more during early morning and later afternoon.
- > **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-north directions, assuring flexible on-site installation to achieve best yield for solar modules.

## Structure



## Component Details

- 

**Conical Symmetric Rail 87**  
Specification: L\*58\*90  
Standard Length: 3100mm  
4100mm  
5100mm
- 

**Spice for Conical Symmetric Rail 87**  
Specification: L260mm  
Components: Hexa Self-Tapping Screw  
With EPDM Washer ST6.3\*19
- 

**SPGT4 Pre-Assembled Supports**  
Components: Symmetric Rail 80  
Front/Back T Jointer  
Hexagon Socket Bolt  
Washer, Spring Washer  
C Clamp 80;Hexagon Nut  
Square Tube;Hexagon Bolt
- 

**C Clamp Kit**  
Components: C Clamp  
Symmetric Cross Module  
Spring Washer M8  
Hexagon Socket Bolt
- 

**Wide End Clamp Kit**  
Components: Wide End Clamp  
Symmetric Cross Module  
Spring Washer M8  
Hexagon Socket Bolt
- 


**Inner Clamp Kit**  
Components: Inter Clamp  
Symmetric Cross Module  
Spring Washer M8  
Hexagon Socket Bolt
- 

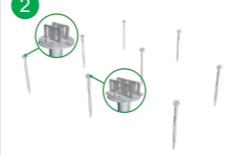
**Pro-T Corrugated Anchor Plate Kit (Back)**  
Components: Corrugated Gasket  
Corrugated T Plate  
Hexagon Bolt Kit  
**Material:** AL6005-T5 (Anodized)
- 


**55\*55 Square Tube**  
Specification: L\*55\*55  
length: 3100mm  
4100mm  
5100mm
- 


**Pro-T Corrugated Anchor Plate Kit L185**  
Components: Corrugated Gasket  
Corrugated T Plate  
Hexagon Bolt Kit  
**Material:** AL6005-T5 (Anodized)

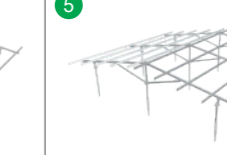
## Installation Guide

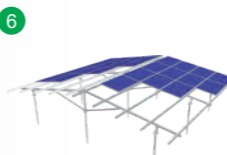
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Pile Ground Screw according to the solution.
- 

Fix Corrugated T Anchor Plate Kit onto Ground Screw.
- 

Install Preassembled Support on Ground Screw.
- 

Install Conical Symmetric Rail.
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Installation of Conical Symmetric Rail has been completed.
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Fasten solar panels by End Clap Kit and Inner Clamp Kit.
- 

Installation completed.