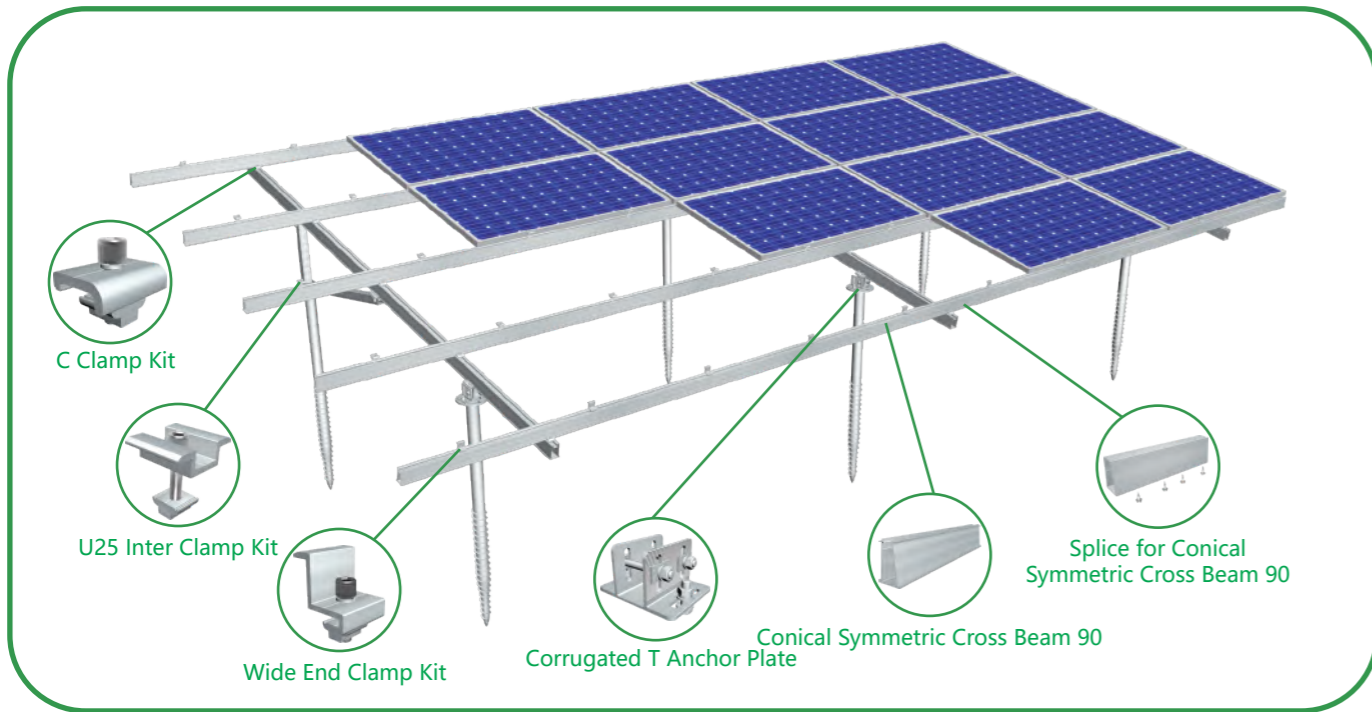


# MRac<sup>®</sup> Pro Ground Terrace PGT5



## Technical Parameters

Installation Site	Ground	Design Standard	AS/NZS 1170 , DIN 1055 , JIS C 8955: 2017 ,
Foundation	Concrete Foundation , Ground Screw		International Building Code IBC 2009 ,
Tilt Angle	0-60°		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	500-800mm	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

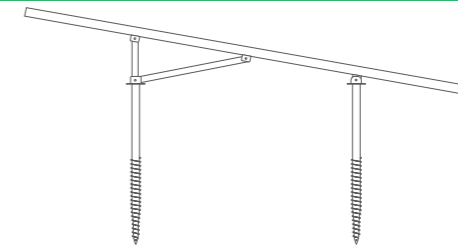
MRac Pro Ground Terrace PGT5 is optimized from GT5, suitable for medium to large scale solar PV projects. Main beams and post are optimized with better design and less material, with strong wind load and snow load resistance. The system can achieve minor adjustment onsite with special design of Anchor Plate to adapt to different sites. Patented and certified system design ensure projects safety and quick installation.



## Advantages

- > **Symmetrical Design of Tilt-in-Nut and Rail Channel**  
No direction limitation for the nut and rail channel, improving the installation efficiency.
- > **No direction limitation for the nut and rail channel, improving the installation efficiency.**  
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.
- > **No Front Post Design**  
Saving material cost without front post design, suitable for low ground clearance projects.

## Structure



## Component Details

<p>1</p> <p><b>Conical Symmetric Cross Beam 90</b> Specification: L*58*90 Standard Length: 3100mm, 4100mm, 5100mm</p>	<p>2</p> <p><b>Splice for Conical Symmetric Cross Beam 90</b> Specification: L260mm Components: Hexa Self-Tapping Screw With EPDM Washer ST6.3*19</p>
<p>3</p> <p><b>PGT5 Pre-assembled Support</b> Components: Conical Symmetric Cross Beam 90, T-Shape Joint, C Clamp Kit, Tube; Flat Washer; Spring Washer, Hexagon Nut; Hexagon Bolt, Hexagon Socket Bolt</p>	<p>4</p> <p><b>C Clamp Kit</b> Components: C Clamp, Symmetric Cross Module, Spring Washer M8, Hexagon Socket Bolt</p>
<p>5</p> <p><b>Wide End Clamp Kit</b> Components: Wide End Clamp, Symmetric Cross Module, Spring Washer M8, Hexagon Socket Bolt</p>	<p>6</p> <p><b>U25 Inter Clamp Kit</b> Components: U25 Inter Clamp, Symmetric Cross Module, Spring Washer M8, Hexagon Socket Bolt</p>
<p>7</p> <p><b>55*55 Square Tube</b> Specification: L*55*55 Material: AL6005-T5 (Anodized)</p>	<p>8</p> <p><b>T Anchor Plate</b> Specification: L100 Material: AL6005-T5 (Anodized)</p>
<p>7</p> <p><b>Pro Corrugated T Anchor Plate (Back)</b> Specification: L120 Material: AL6005-T5 (Anodized)</p>	<p>8</p> <p><b>Ground Screw</b> Specification: L1600mm</p>

## Installation Guide

<p>1</p> <p>Pile Ground Screw according to the solution.</p>	<p>2</p> <p>Fix Corrugated T Anchor Plate Kit onto Ground Screw.</p>	<p>3</p> <p>Install Pre-assembled Support on Ground Screw.</p>	<p>4</p> <p>Install Beam.</p>	<p>5</p> <p>Beam installation has been finished.</p>
<p>6</p> <p>Fasten solar panels by End Clap Kit and Inner Clamp Kit.</p>	<p>7</p> <p>Installation completed.</p>			