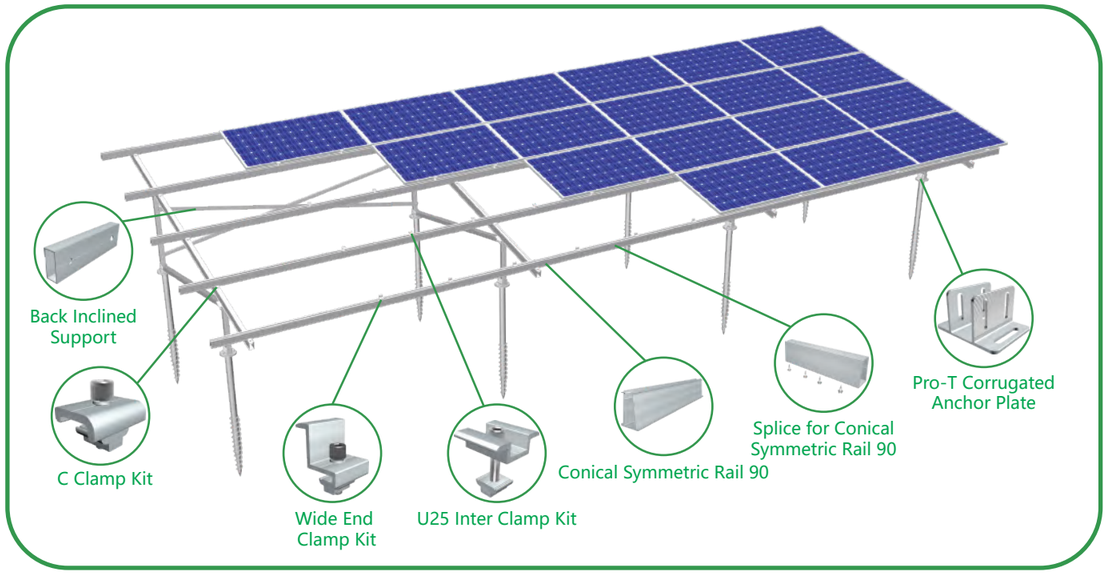
MRac® Pro Ground Terrace PGT4



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/㎡	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 Pro Ground Terrace PGT4 is optimized from GT4, 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

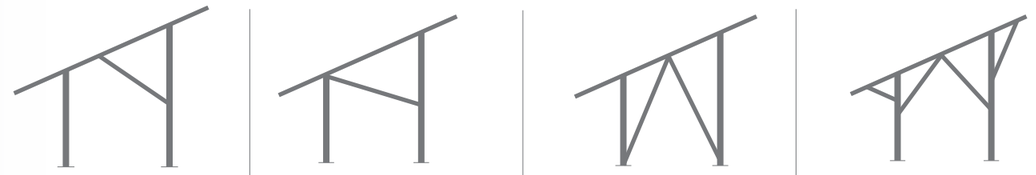
> Symmetrical Design of Tilt-in-Nut and Rail Channel
No direction limitation for the nut and rail channel, improving the installation efficiency.

> No Drill on Portrait Beam
It improves the strength of the system to fix the portrait beam onto the post by special designed clamps, with force at the same direction of the gravity.

> 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

1


Conical Symmetric Rail 90

Specification: L*58*90
Standard Length: 3100mm
4100mm
5100mm

2


Spice for Conical Symmetric Rail 90

Specification: L260mm
Components: Hexa Self-Tapping Screw
With EPDM Washer ST6.3*19

3


PGT4 Pre-Assembled Supports

Components: Conical Symmetric Cross Beam 90
Flat Washer; Spring Washer
T-Shape Joint; C Clamp Kit; Tube
Hexagon Nut; Hexagon Bolt
Hexagon Socket Bolt

4


C Clamp Kit

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

5


Wide End Clamp Kit

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

6


Inter Clamp Kit

Components: Inter Clamp
Symmetric Cross Module
Spring Washer M8
Hexagon Socket Bolt

7


Pro-T Corrugated Anchor Plate Kit (Back)

Components: Corrugated gasket
Pro Corrugated T Achor Plate
Hexagon Socket Bolt Kit
Material: AL6005-T5 （Anodized ）

8

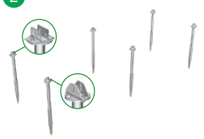

45*20 Square Tube(DZ)

Specification: L*45*20
length: 3100mm
4100mm
5100mm

Installation Guide

1

Pile Ground Screw according to the solution.

2

Fix Corrugated T Anchor Plate Kit and Corrugated U Anchor Plate Kit onto Ground Screw.

3

Install Preassembled Support on Ground Screw.

4

Install Back Side Support.

5

Install Beam.

6

Fasten solar panels by End Clap Kit and Inner Clamp Kit.

7

Installation completed.