



Portrait



Landscape

AL-GROUND MOUNTING SYSTEM



All-AL
Structure

Introduction

GS AL-Ground Mounting System is made of 100% aluminum to mount on concrete strip foundations or ground screws. It is featured with light weight, strong structure, and recyclable material.

In GS AL-Ground Mounting System, with pre-assembled Beam, the size of the legs and the GS 8# Rail is manufactured in the factory avoid welding and cut on the spot, saving your time and cost.

Our mission is to simplify your installation and ensure the structure safety. Grace Solar, your best choice.

Benefits

Easy Installation

Parts have been high pre-assembly on factory to save your installation time

Safety and Reliability

Check and test the structure strictly to against the extreme weather condition

Flexibility and Adjustable

Smart design reduce the difficulty of the installation on the most condition

10 Years Warranty

Grace Solar provides a 10-years warranty for the material and structure

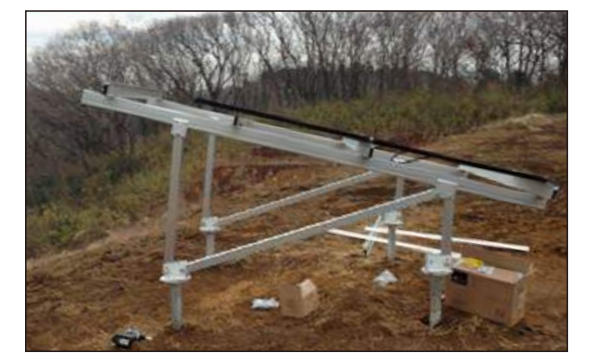
Technical Information

Install Site	Open Field
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Module Type	Framed or Frameless
Module Orientation	Portrait or Landscape
Main Material	Anodized Aluminum
Fasten Material	Stainless Steel
Foundation	Concrete With Pre-Buried Bolts
	Ground Screw

Foundation 1: Concrete with Pre-buried bolts

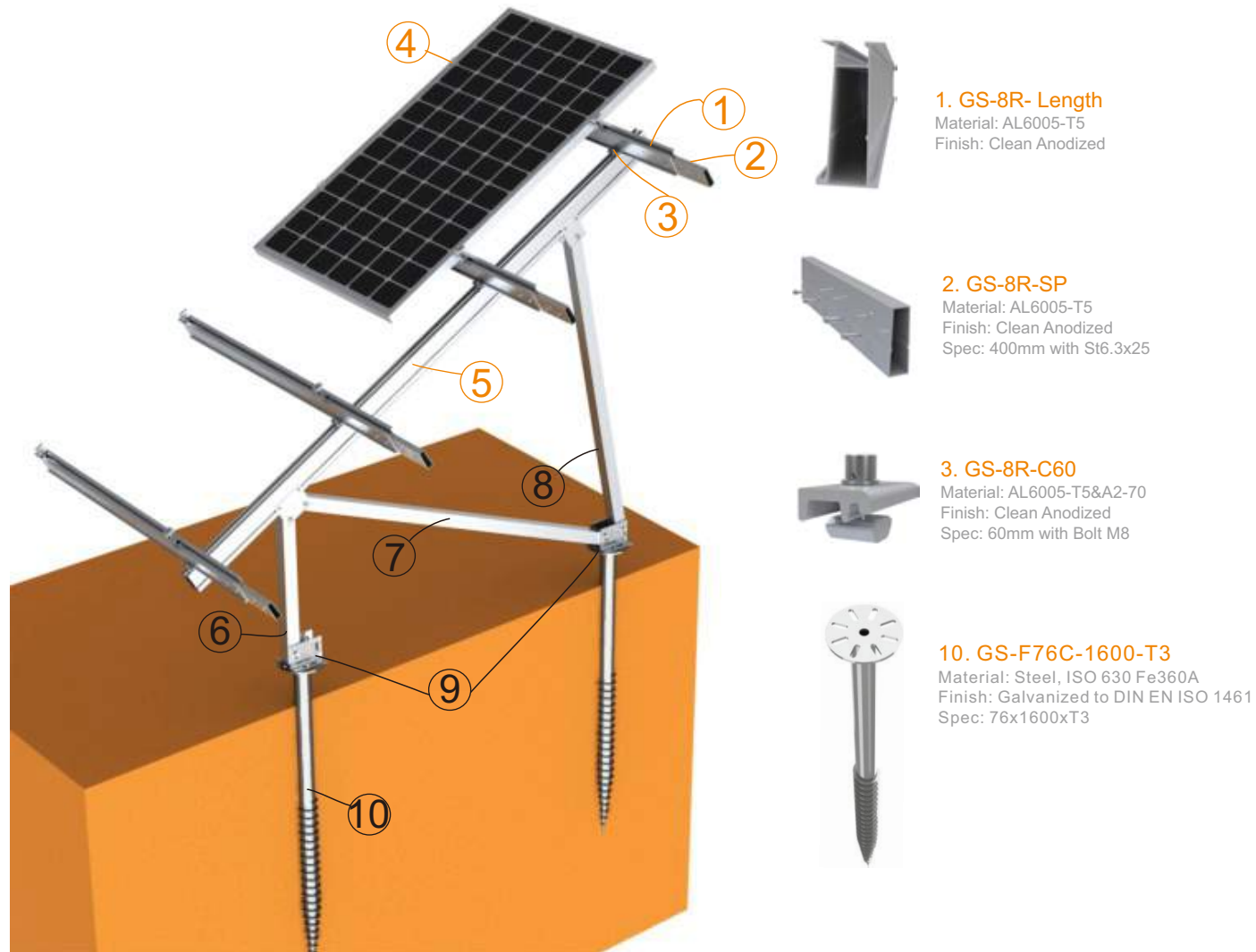


Foundation 2: Ground Screw



APPLICATION

Portrait Placement



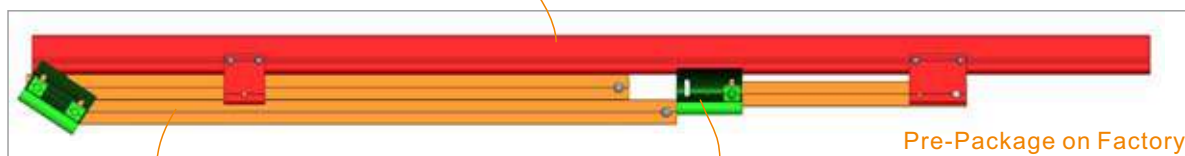
1. GS-8R- Length
Material: AL6005-T5
Finish: Clean Anodized

2. GS-8R-SP
Material: AL6005-T5
Finish: Clean Anodized
Spec: 400mm with St6.3x25

3. GS-8R-C60
Material: AL6005-T5&A2-70
Finish: Clean Anodized
Spec: 60mm with Bolt M8

10. GS-F76C-1600-T3
Material: Steel, ISO 630 Fe360A
Finish: Galvanized to DIN EN ISO 1461
Spec: 76x1600xT3

5. GS-AG2-BA-Length
Material: AL6005-T5&A2-70
Finish: Clean Anodized

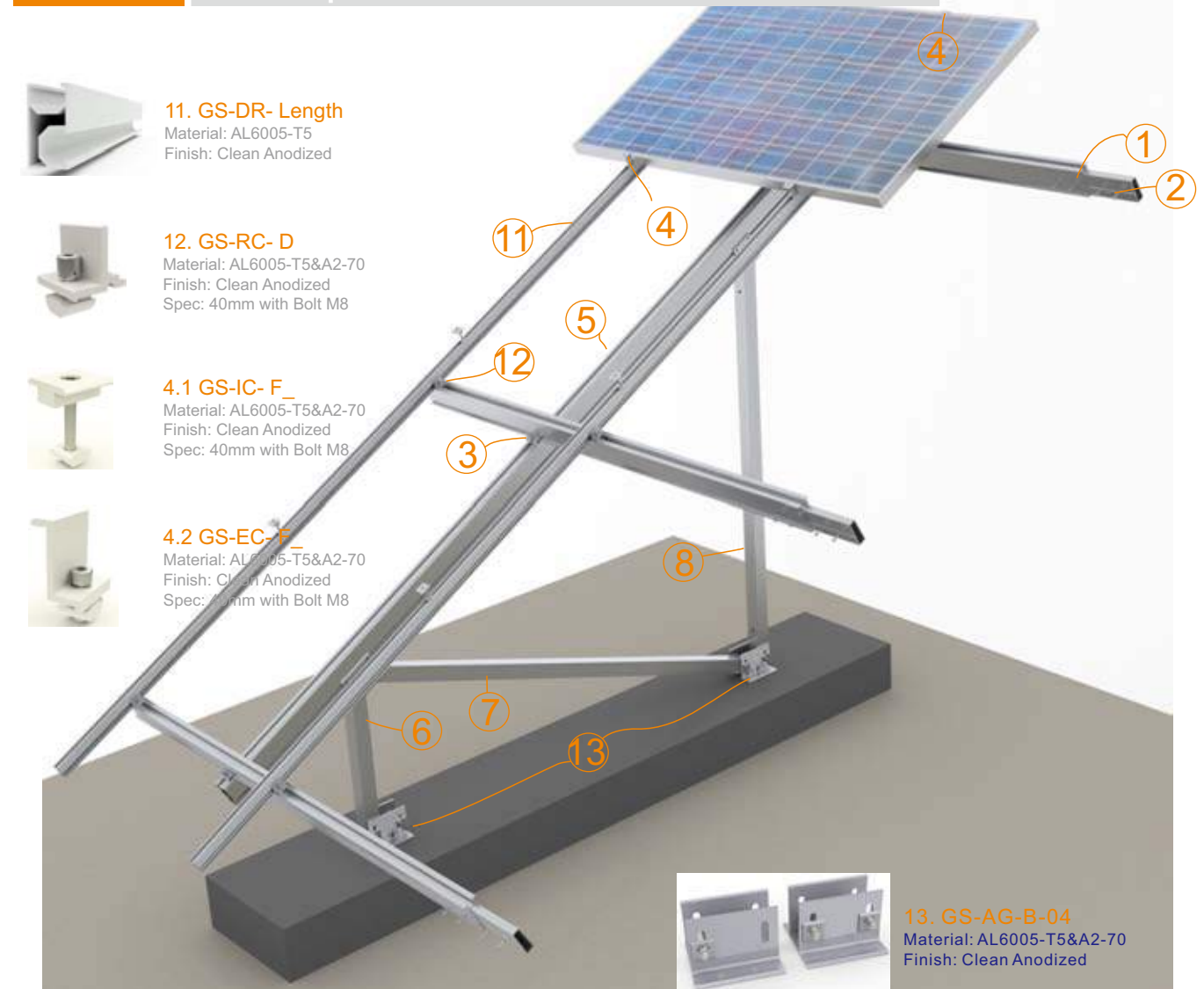


6~8. GS-AG-T-Length
Material: AL6005-T5
Finish: Clean Anodized

9. GS-AG-B-05
Material: AL6005-T5&A2-70
Finish: Clean Anodized

APPLICATION

Landscape Placement



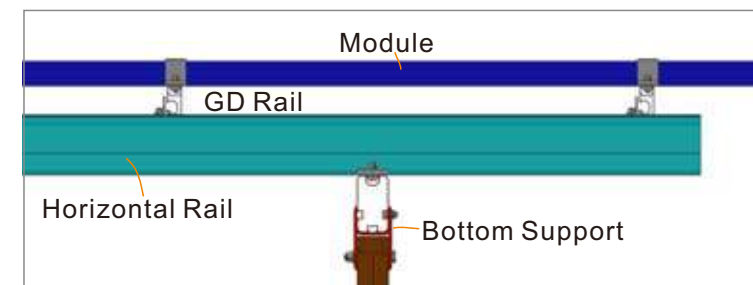
11. GS-DR- Length
Material: AL6005-T5
Finish: Clean Anodized

12. GS-RC- D
Material: AL6005-T5&A2-70
Finish: Clean Anodized
Spec: 40mm with Bolt M8

4.1 GS-IC- F_
Material: AL6005-T5&A2-70
Finish: Clean Anodized
Spec: 40mm with Bolt M8

4.2 GS-EC- F_
Material: AL6005-T5&A2-70
Finish: Clean Anodized
Spec: 40mm with Bolt M8

13. GS-AG-B-04
Material: AL6005-T5&A2-70
Finish: Clean Anodized



PROJECT EXAMPLE

Step 1: Project Information

Solar Panels Size:	1650*992*46mm	Flood Height:	500mm
Tilt Angle:	30 Deg	Wind Speed:	Normal
Module Orientation:	Portrait	Unit Array:	2*11 (22pcs panels)
Foundation:	Ground Screw		

Step 2: Planning



Step 3: Components List

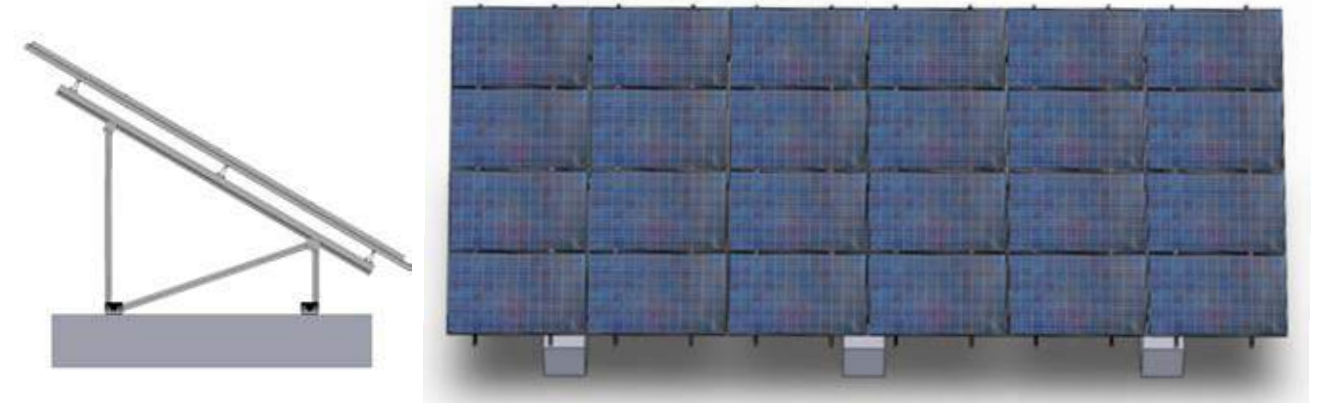
Item	Description	Spec.	Qty	Package
GS-8R-5600	GS 8# Rail 5600	5600mm	8pcs	140pcs/pallet
GS-8R-SP	GS 8# Rail Splice	400mm	4pcs	10pcs/BOX,2BOX/CTN
GS-8R-C60	GS 8# Rail Clamp	60mm	24pcs	100pcs/BOX,4BOX/CTN
GS-IC-F46	Inter Clamp Kit	46mm	40pcs	100pcs/BOX,4BOX/CTN
GS-EC-F46	End Clamp Kit	46mm	8pcs	100pcs/BOX,4BOX/CTN
GS-AG2-BA-2740	Assembly of AG 2# Beam, 2740mm	2740mm	3pcs	On Request
GS-AG-T-600	Front Leg, Square Tube, 600mm	600mm	3pcs	On Request
GS-AG-T-1475	Back Leg, Square Tube, 1475mm	1475mm	3pcs	On Request
GS-AG-T-1500	Brace, Square Tube, 1500mm	1500mm	3pcs	On Request
GS-AG-B-05	Front and Bottom Base 5# for AG	160mm	3pcs	1set/BOX,4BOX/CTN
GS-F76C-1600-T3	F-Ground Screw C	76x1600	6pcs	80pcs/pallet

PROJECT EXAMPLE

Step 1: Project Information

Solar Panels Size:	1650*992*46mm	Flood Height:	500mm
Tilt Angle:	30 Deg	Wind Speed:	Normal
Module Orientation:	Landscape	Unit Array:	4*6 (24pcs panels)
Foundation:	Concrete		

Step 2: Planning



Step 3: Components List

Item	Description	Spec.	Qty	Package
GS-8R-4600	GS 8# Rail 4600	4600mm	6pcs	140pcs/pallet
GS-8R-SP	GS 8# Rail Splice	400mm	3pcs	10pcs/BOX,2BOX/CTN
GS-8R-C60	GS 8# Rail Clamp	60mm	18pcs	100pcs/BOX,4BOX/CTN
GS-DR-4200	GD Rail 4200	4200mm	12pcs	512pcs/pallet
GS-RC-D	GD Rail Clamp	40mm	36pcs	100pcs/BOX,4BOX/CTN
GS-IC-F46	Inter Clamp Kit	46mm	36pcs	100pcs/BOX,4BOX/CTN
GS-EC-F46	End Clamp Kit	46mm	24pcs	100pcs/BOX,4BOX/CTN
GS-AG2-BA-3400	Assembly of AG 2# Beam, 3400mm	3400mm	3pcs	On Request
GS-AG-T-600	Front Leg, Square Tube, 600mm	600mm	3pcs	On Request
GS-AG-T-1725	Back Leg, Square Tube, 1725mm	1725mm	3pcs	On Request
GS-AG-T-1905	Brace, Square Tube, 1905mm	1905mm	3pcs	On Request
GS-AG-B-04	Front and Bottom Base 4# for AG	160mm	3pcs	1set/BOX,4BOX/CTN