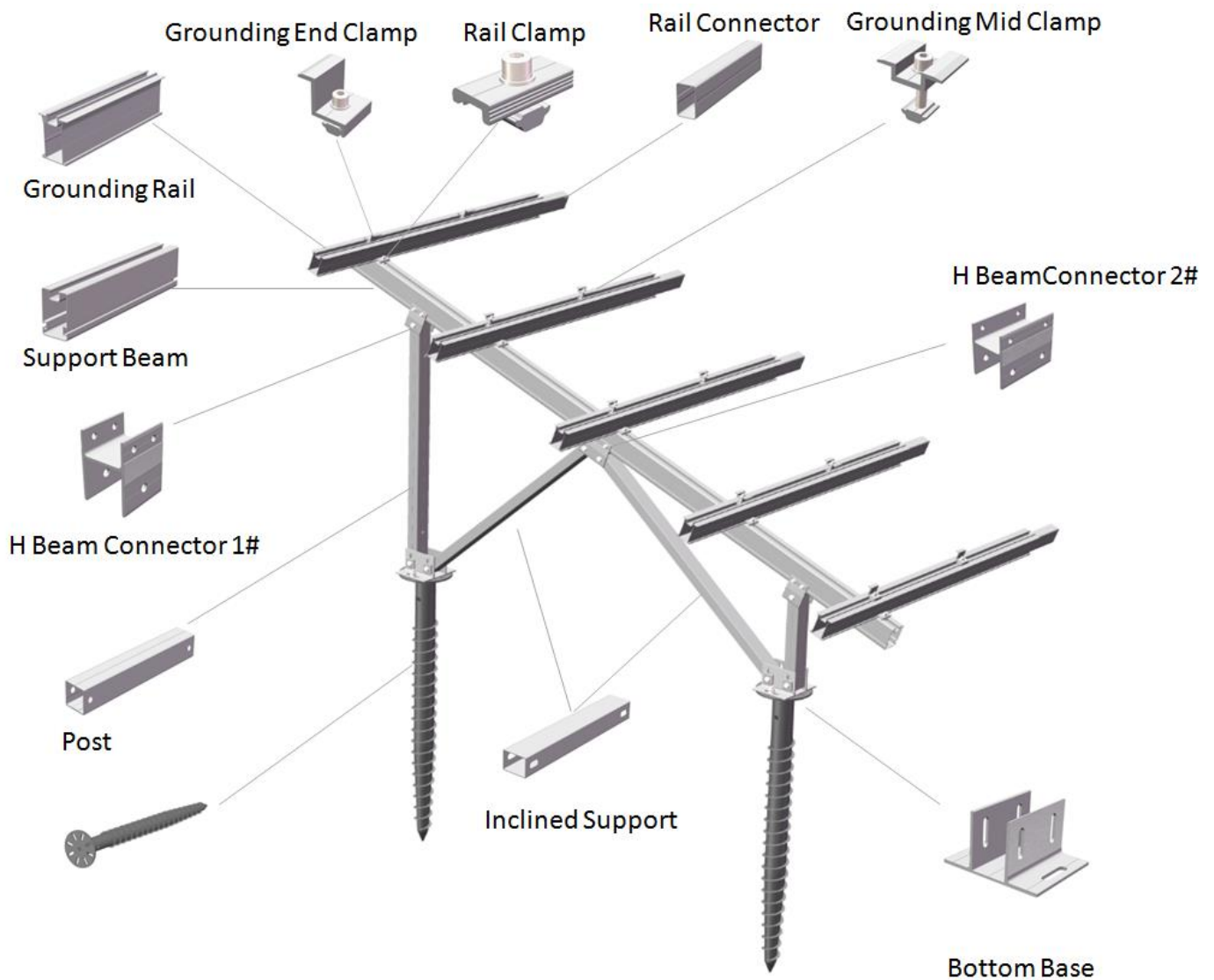


Aluminium Ground Mounting is highly anti-corrosion and the most aesthetic design for small, medium to large scale solar PV projects on open areas and some flat concrete roofs. The structure is a strong and stable bearing bracket and can be compatible with most modules.

System Components:



Feature:

1. aluminium series giving it an aesthetic and elegant appearance.

GI (galvanized iron) steel, its HDG processing can't get uniform coating film, average thickness is 80 μm , but some areas' thickness is less 80 μm , some areas are more than 80 μm , make the surface rough. While anodize aluminium surface is elegant.



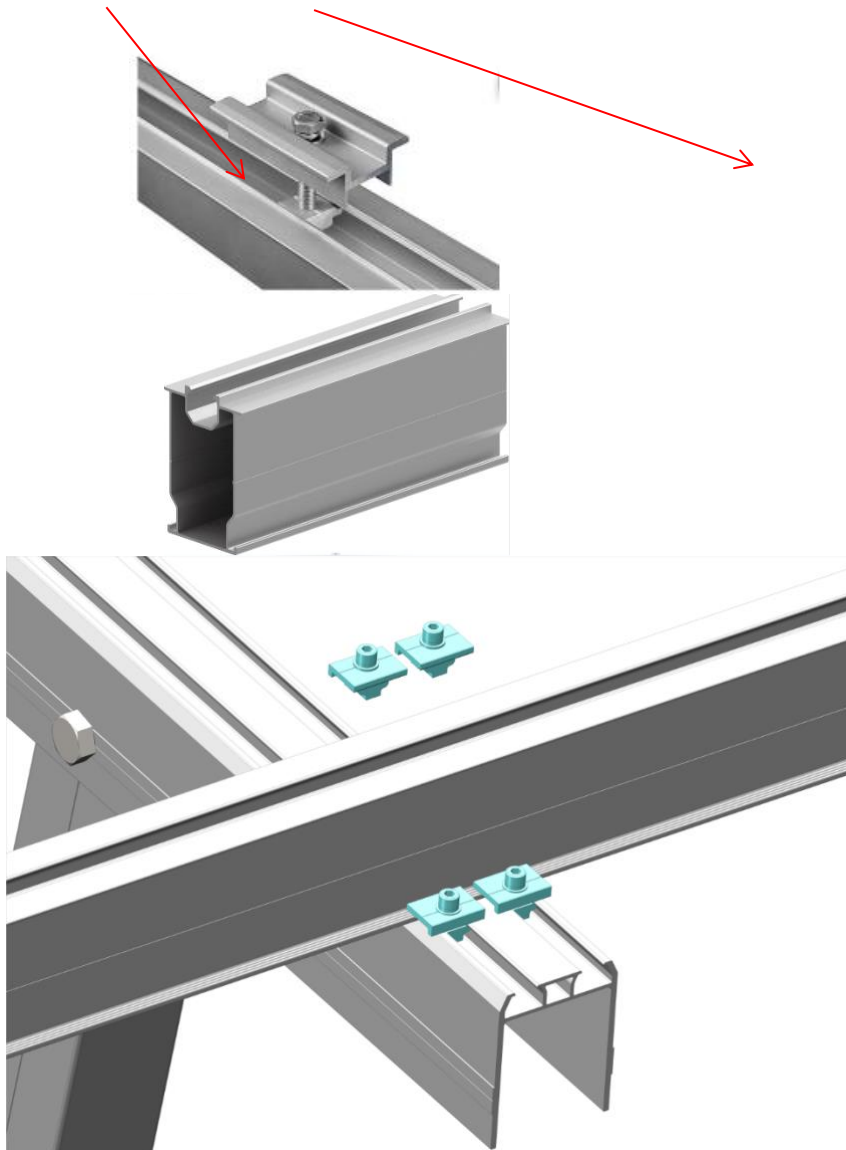
Anodizing aluminium aesthetic and elegant surface



Hot dip galvanized steel rough and texture

2. Slot keel design make it easy to install, no drill on beam and rails, which improves the strength of the structure

slot keel, no need drill



3. light weight materials

Steel average density is 7.87 g/cm³, while aluminium is 2.72g/cm³, which can achieve easy moving& carrying during installation.

4. high class anodized coating for excellent corrosion resistance

AA10 or AA15 anodizing coating to insure structure excellent corrosion resistance and guarantee it 25 years service life.

5. pre-assembled components and no cutting and drilling on site achieve rapid installation, save installation time and cost

N type mounting pre-assembled

N type spread

N type unfold status



W type pre-assembled



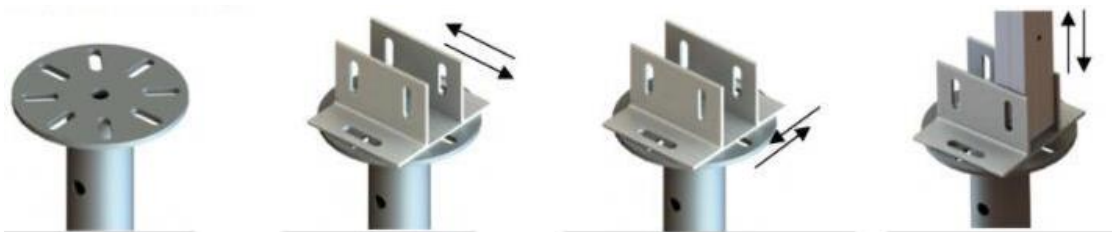
N type spread



W type unfold status



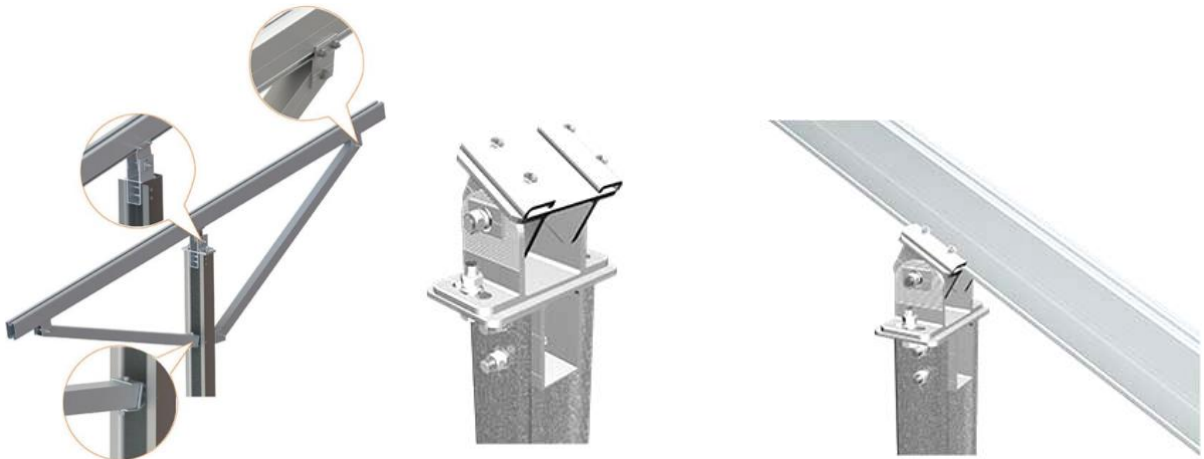
6. the structure can achieve minor adjustment with east-west, west-south and south-north directions to adapt to different sites, assuring flexible on-site installation to achieve best yield for solar modules.



Base, its height and position to the screw pile is minor adjustment



Beam and rail connected by adjustable joints to fit small land slope in east-west direction



Ramming pile and beam connected by adjustable joints to achieve flexible structure tilt angle

7. Ground screws, ramming pile and concrete foundations are optional



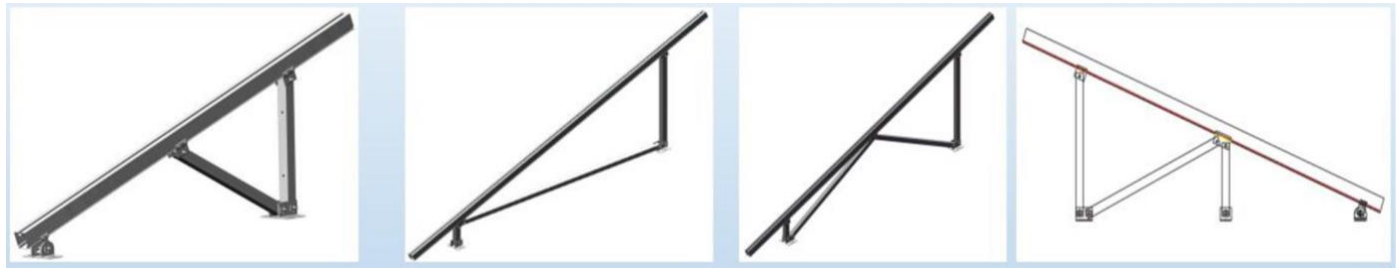
Datasheets

Installation site	open ground
Foundation	concrete base/ ground screw
tilt angle	5°~60°
Ground clearance	as per actual demand
Panel orientation	landscape/portrait
Panel type	framed/ frame-less module

Material	anodized AL6005-T5
Fastener	SUS304
Max wind speed	60m/s
Max snow load	4.5KN/m ²
Warranty time	12 years
Life time	25 years

How to decide foundation and structure for ground mounting

scale:	ground screw is designed for medium and large-scale PV applications
	concrete base is designed for small and mid-scale PV applications
Site:	ground screw is suitable for soft soil, bed rock, swamp and slope with more than 30 degree.
	concrete is suitable for landfill sites, rocky terrain, and residential locations
	high wind and snow load, corrosive environment, concrete mounting system is better
time:	ground screw mounting system can save on labor costs and install more quickly



A-type particular for ground clearance within 500mm

N-type is for higher ground clearance but small wind and snow load

W-type is for higher ground clearance and heavy wind and snow load (snow>80cm, wind >36m/s)

What necessary information are requested to workout an solution

1. Solar panel dimensions, weight
2. Solar layout, orientation
3. Max. wind speed and snow load
4. Tilt angle
5. Ground clearance