Product Type Ground PV Mounts

Portrait

GM-N shape ground Aluminum solar PV mounting system

Introduction

GM-N shape ground Aluminum solar PV mounting system is suitable both for concrete foundation and ground screw foundation solar PV power plant. Solar panels could be installed with layout of Portrait or landscape. All components are made of 100 percent high-strength aluminum structural parts except the ground screw, which leads to good features of good corrosion resistance, light weight, high strength and delicate appearance. Pre-assembled support structures improve the installation efficiency, saving time and labor cost for the construction of large-scale photovoltaic projects.

Technical Data

Design standard: JIS C8955:2011	Installation site: open ground
Max. wind resistance:42m/s	Applicable panels: framed or unframed
Max. anti-snow load capacity:2.0KN/m^2	Modules direction: portrait or landscape
Installation angle range:5° ～45°	Rail material:Al6005-T5
Span range:2. 5m～3. 5m	Bolts& nuts Material:SUS304
Base positioning tolerance:±10mm	Ground screw material: hot galvanized Q235B
System installation angle deviation:±2°	Warranty: 10 years

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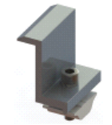
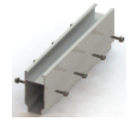
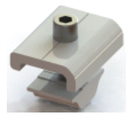
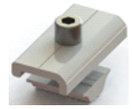
Landscape

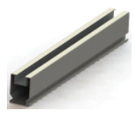

①RY-EC40-G
End Clamp 40

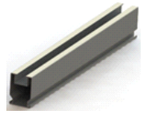

②RY-IC40-G
Inter Clamp 40


③RY-SP-U100
Splice for U100


④RY-RC40-G
Rail Clamp 40


⑤RY-RC60-G
Rail Clamp 60


⑥RY-U100
Rail U100


⑦RY-U70
Rail U70


⑧RY-PS20/4300-N
Pre-assembled
Support


⑨RY-GS76/1600
Ground screw
ϕ76*L1600


⑩RY-HB12/40
HexBolt M12*40
for Ground Screw


⑪RY-AA40
Angle
Alumimum

Main Features

Large range of applications:	The features of 100% aluminum production structure, light weight, high strength, and good corrosion resistance make the product can be applied to very harsh installation environment.
Compatibility:	Suitable for different specifications of PV modules, and the modules can be applied in different ways of arrangement, enabling random swap.
Safety and reliability:	With consideration to the load-bearing, wind, earthquake and other factors, and with rigorous calculation and testing the structure ensures safety and reliability.
Easy installation:	Most components are pre-assembled in factory, saving time and labor cost for project installation.
Flexibility and adjustability:	Considering of probable construction deviation, the structure is cleverly designed with a flexible regulatory function. The system foundation position errors can be solved by the unique structure of the regulatory function, reducing the difficulty of construction.