Product Type Ground PV Mounts

Landscape

GM-Piling ground solar PV mounting system

Introduction

GM-Piling ground solar PV mounting system is designed for commercial and public solar PV plant. It can be applied for varied non-fossil soil types .This solution adopt integrated design of pile and post with simple structure, possessing the features of strong wind and snow load resistance, improving the installation efficiency. The finish of the C shape steel piling is hot galvanized with good anticorrosion quality. The C steel post can be quickly piled into the soil 1-2 meters, match which with the aluminum mounting support structure, rail and clamps to form a mounting system, with easy installation and high efficiency, saving time and labor cost for the construction of large-scale PV projects.

Technical Data

Design standard: JIS C8955:2011	Application: can be used in various grounds
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° ～35°	Rail material:Al6005-T5
Span range:2. 0m～3. 5m	Bolts& nuts Material:SUS304
Pile positioning tolerance:±15mm	Pile material: hot galvanized Q235B
System installation angle deviation:±2°	Warranty: 10 years

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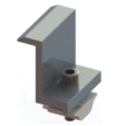
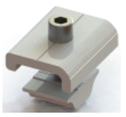
Portrait



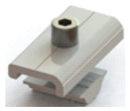
①RY-EC40-G
End Clamp 40

②RY-IC40-G
Inter Clamp 40

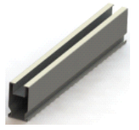
③RY-SP-U100
Splice for U100



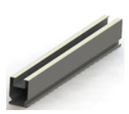
④RY-RC40-G
Rail Clamp 40



⑤RY-RC60-G
Rail Clamp 60



⑥RY-U100
Rail U100



⑦RY-U70
Rail U70

⑧RY-PS20/2700
Pre-assembled
Support

⑨RY-C-L2500
C-Post L2500

⑩RY-HJ-C
Head Joint
for C-Post

Main Features

Widely application:	It can be applied in soil that hasn't become as hard as a stone.
Compatibility:	It not only can fit for different PV kits, but also can work with different PV arrangements which can be interchange randomly.
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.