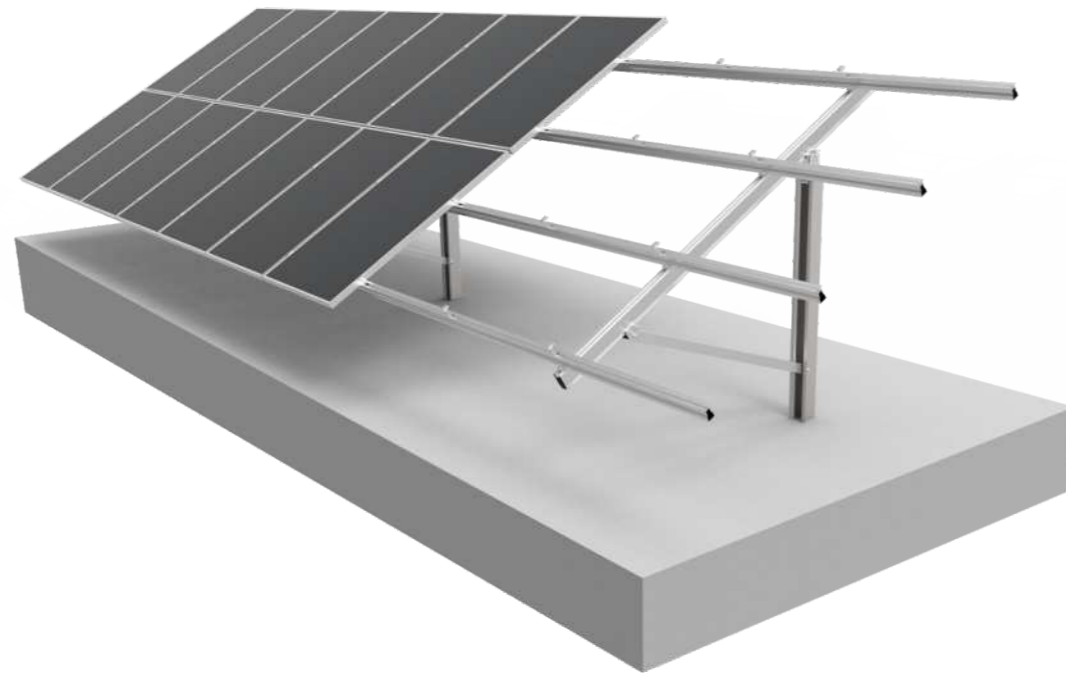


GS-Smart Ground Mounting System Solution

Ground Mounting System (Single Column Piling)



• System Introduction

Pile foundation is a reliable and widely used structural method. Under suitable geological conditions, the use of pile foundations can greatly increase the installation speed. By further integrating and simplifying products, Grace Solar allows customers to save time and cost in on-site installation.

• Suitable Power Plant Project

It is applicable to all power plant projects.

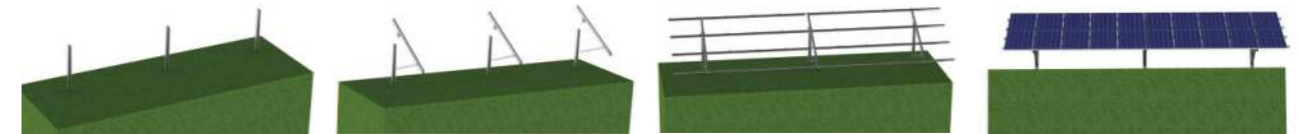
• Features

· The single column greatly shortens the piling time and improves the efficiency of foundation construction.

• Technical Information

Installation site	Ground
Angle	0-45°
Construction height	Below 9M
Material	High-strength aluminum alloy &A2-70
C-shaped steel material	Carbon steel SS400
Color	Natural color
Surface treatment	Aluminum alloy anodizing, carbon steel hot-dip galvanizing
Maximum wind speed	<46m/s (JIS)
Maximum snow cover	<200cm (JIS)
C-beam penetration depth	1000mm~2000mm
Foundation	Concrete embedded, C-shaped steel foundation
Error range	Up and down 20mm, left and right 2deg, front and rear 2deg
Reference standards	JIS C 8955:2017
Quality Assurance	10-year quality guarantee

• Installation Steps



Use a pile driver to drive the C-shaped steel ground pile into the ground

Install the longitudinal beam modules and adjust the height

Install the guide rail

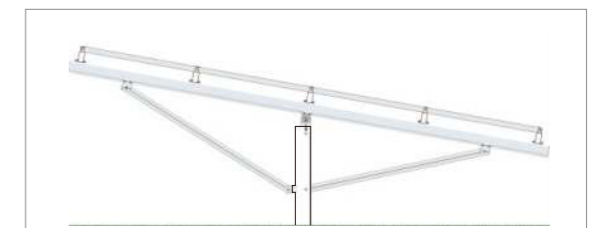
Install solar panels

• Structure

* The longitudinal members and columns are pre-assembled to the greatest extent by the factory, which greatly facilitates on-site construction.



A Type: PG5+SMR



Umbrella Type: PG5+SNKY