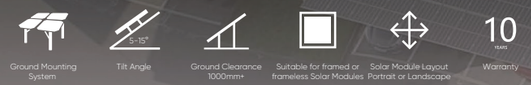
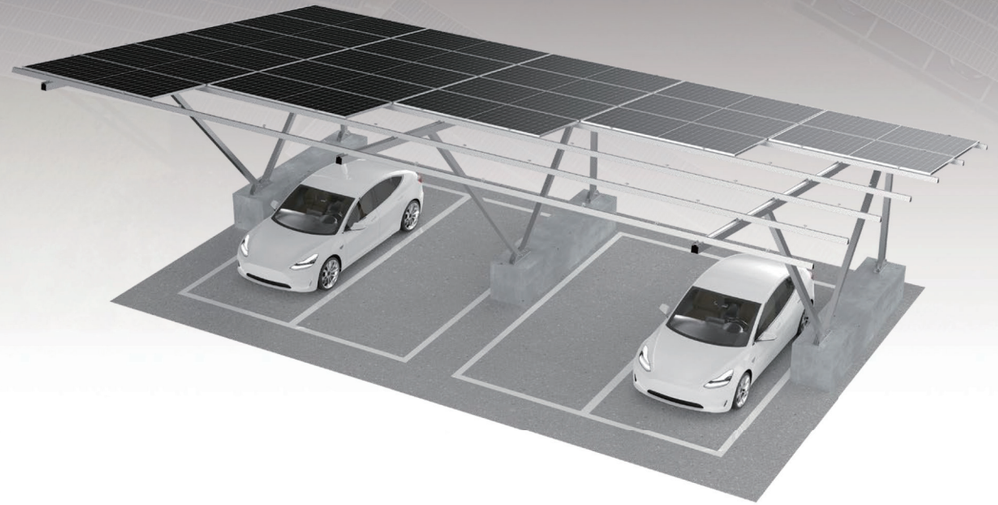
SOLAR CARPORT SYSTEM II

Overview

The idle area of the parking shed is used to build a photovoltaic parking shed, and the combination of photovoltaic power generation and carport is the simplest one in the combination of photovoltaic and building. it can not only achieve all the functions of the traditional carport, but also bring electricity generation benefits to the owner. it is stored in the battery by the charging device or directly supplied to the electric vehicle to charge for self-use.You can even use extra power to get online, Using aluminum alloy structure bracket,simple installation,generous,fashionable, beautiful.



Ground Mounting System | Tilt Angle | Ground Clearance 1000mm+ | Suitable for framed or frameless Solar Modules | Solar Module Layout Portrait or Landscape | Warranty



Advantages

Customized Solution

Design case by case, making a good utilization of ground resource and pursuit for easy and quick installation.

Save Installation Time and Labor Cost on Site

With installation manuals and system solution, the construction on site will be simple. Less construction time directly reduces project costs.

High Waterproof

The special waterproof conforms to the structure of system, which make the performance Stronger

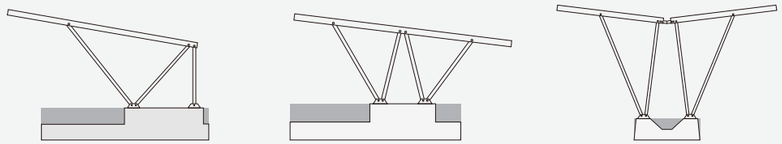
Compatible to Varied Solar Modules

With Sunpal module clamps, the system compatible with most kinds of framed and frame and frameless modules.

Technical Parameters

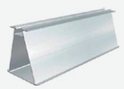
System Name	Open Area	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 International Building Code IBC 2009, California Building Code CBC 2010
Foundation	Concrete Base		
Tilt Angle	5-15°		
Wind Load	≤45m/s	Hook Material	AL6005-T5(Anodized)
Snow Load	≤1.2KN/m²	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Ground Clearance	≤2000mm+	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

Structure



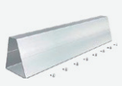
CP II N | CP II W-1S | CP II W-2S

Component Details



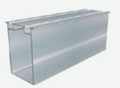
Conical Symmetric Cross Beam 135

Specification :
L*58*135
Standard Length:
3300mm 5000mm



Splice for Conical Symmetric Cross Beam 135

Specification :
L260mm
Components :
Hexa Self-Tapping Screw
With EPDM Washer ST6.3*19



Beam 160

Specification :
L*100*100
Material :
AL6005-T5)(Anodized)

C Clamp Kit

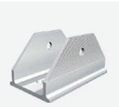
Components :
C Clamp
Symmetric Cross Module
Spring Washer M8
Hexagon Socket Bolt

Wide End Clamp Kit

Components :
Wide End Clamp
Symmetric Cross Module
Spring Washer M8
Hexagon Socket Bolt

U25 Inter Clamp Kit

Components :
U25 Inter Clamp
Symmetric Cross Module
Spring Washer M8
Hexagon Socket Bolt



Anchor Plate for Carport(L250)

Specification :
62*49*L250
Material :
AL6005-T5(Anodized)

Square Tube

Specification :
L*100*100
Material :
AL6005-T5(Anodized)

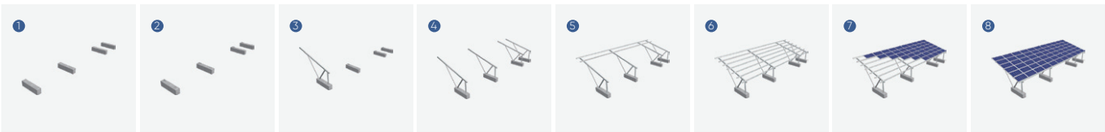
Anchor Plate for Carport(L450)

Specification :
62*49*L450
Material :
AL6005-T5(Anodized)

Waterproof for Cross Beam

Specification :
L*100*100

Installation Guide



1. Grout the bolt embedded on the concrete foundation based on project solution.
2. Fix Corrugated T Anchor Plate Kit on the concrete foundation.
3. Connect the Pre-assemble Support with the Anchor Plate Kit on the concrete foundation
4. The installation of Pre-assemble Support is done.
5. Install beam
6. The installation of beam is done
7. Fix the solar module with Inter Clamp Kit & End Clamp Kit.
8. Installation is done