Sunpal

MONO CARPORT SYSTEM

Overview

Pro Mono Carport System is mainly customized according to customer site requirements, which is convenient parking, beautiful appearance. PV carport not only has the function of ordinary carport, but also can generate electricity and income through solar power generation. Professional solutions bring you a simple and convenient installation experience, Sunpal engineers have been committed to optimize the system design, products and service quality, and provide you with the best quality solutions of photovoltaic shed.

Ground Mounting System

Tilt Angle

Ground Clearance 1800mm-3000mm

Suitable for framed or frameless Solar Modules

Solar Module Layout Portrait or Landscape

10 YEARS
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
Pre-assembled Components Save Onsite Installation Time Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

Convenient parking and beautiful appearance
The single column design makes the structure simpler, minimizes obstruction, and facilitates parking and access.

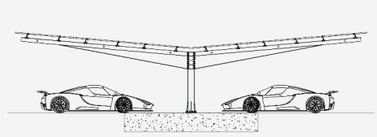
Compatible to Varied Solar Modules
With module clamps, the system compatible with most kinds of framed 60-cell, 72-cell.

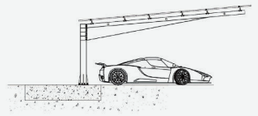
Technical Parameters

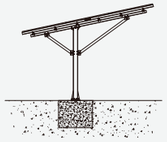
System Name	Open Area
Foundation	Concrete Foundation
Tilt Angle	5-15°
Wind Load	≤50m/s
Snow Load	≤1.6KN/m²
Ground Clearance	≤1800mm~3000mm
Applicable Solar Module	Framed or Frameless
Panel Layout	Portrait or Landscape

Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 International Building Code IBC 2009, California Building Code CBC 2010
Hook Material	Zn-Al-Mg Coating Steel & HDG Steel
Fastener	Zn-Ni Alloy & SUS304 & HDG Steel
Small Components	AL6005-T5 (Anodized)
Color	Silver or Customized
Warranty	10-Year Warranty

Structure

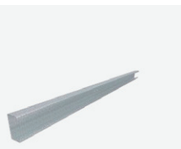






Component Details

76 steel tube
Material :
HDG Steel



Mono post with welding plate
Material :
Zn-Al-Mg Coating Steel

Splick for Rail
Material :
Zn-Al-Mg Coating Steel

Rail Connector
Material :
Zn-Al-Mg Coating Steel

H-shape Steel
Material :
HDG Steel

H-shape Steel with Welding Plate
Material :
HDG Steel

Pull Rod kit-A
Material :
Zn-Al-Mg Coating Steel

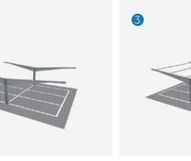
Pull Rod kit-B
Material :
Zn-Al-Mg Coating Steel

Inter Clamp kit
Material :
AL6005-T5(Anodized)
SUS304

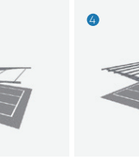
End Clamp kit
Material :
AL6005-T5(Anodized)
SUS304

Installation Guide

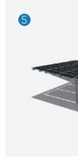
Fix the H-shape Steel Welding Plate



Install the H-shape Steel



Install the 76 steel tube



Install the Pull Rod kit A&B

Install the module

The installation is done