

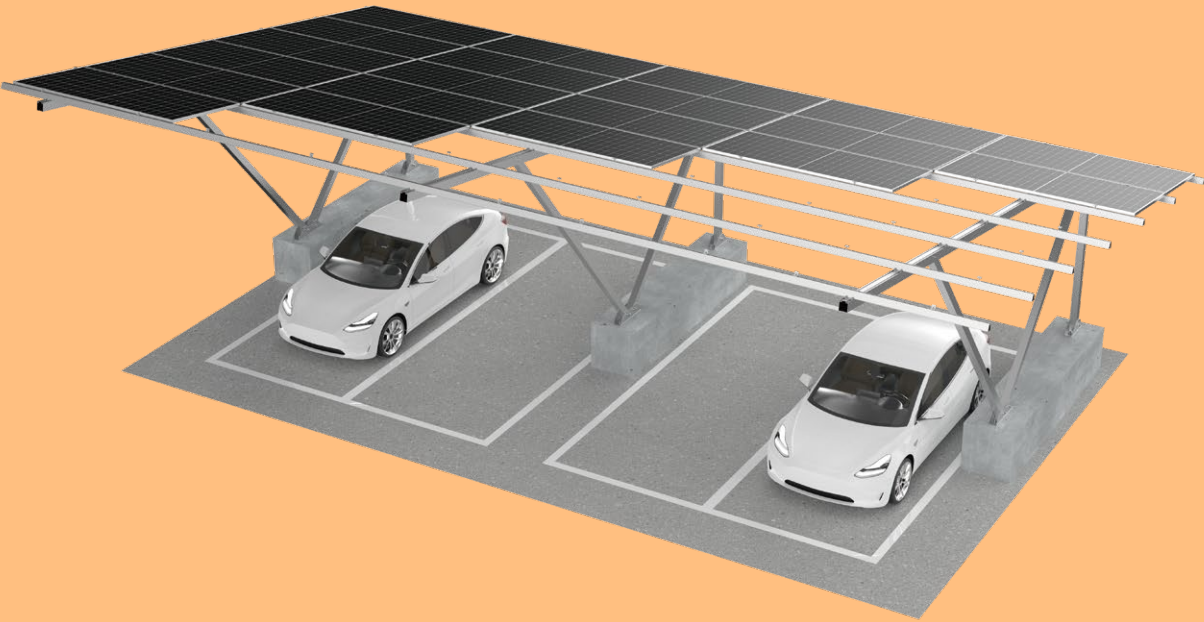
# PalmBri Shade

## 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.



### 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

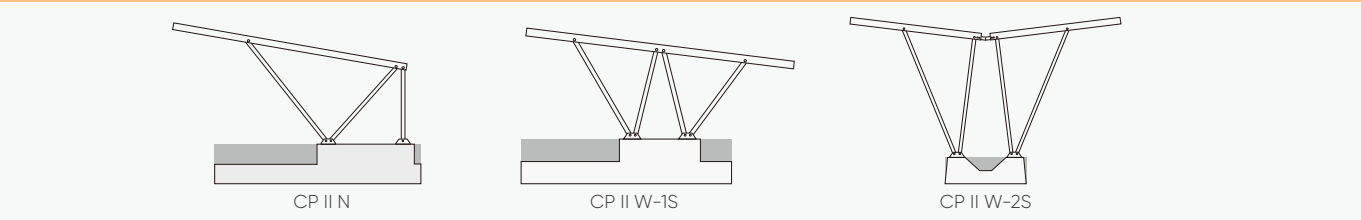
#### Compatible to Varied Solar Modules

With PalmBri Rack module clamps, the system compatible with most kinds of framed and frame and frame-less modules.

### Technical Parameters

|                         |                       |                  |                                                                         |
|-------------------------|-----------------------|------------------|-------------------------------------------------------------------------|
| System Name             | Open Area             | Design Standard  | Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10                          |
| Foundation              | Concrete Base         |                  | International Building Code IBC 2009, California Building Code CBC 2010 |
| 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



### Component Details

|                                                                                                                                 |                                                                                                                                                |                                                                                    |                                                                                                                 |                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                 |                                                                                                                                                |                                                                                    |                                                                                                                 |                                                                                                                               |
| <b>Conical Symmetric Cross Beam 135</b><br>Specification : L*58*135<br>Standard Length: 3300mm 5000mm                           | <b>Splice for Conical Symmetric Cross Beam 135</b><br>Specification : L260mm<br>Components : Hexa Self-Tapping Screw With EPDM Washer ST6.3*19 | <b>Beam 160</b><br>Specification : L*100*100<br>Material : AL6005-T5(Anodized)     | <b>C Clamp Kit</b><br>Components : C Clamp<br>Symmetric Cross Module<br>Spring Washer M8<br>Hexagon Socket Bolt | <b>Wide End Clamp Kit</b><br>Components : Wide End Clamp<br>Symmetric Cross Module<br>Spring Washer M8<br>Hexagon Socket Bolt |
|                                                                                                                                 |                                                                                                                                                |                                                                                    |                                                                                                                 |                                                                                                                               |
| <b>U25 Inter Clamp Kit</b><br>Components : U25 Inter Clamp<br>Symmetric Cross Module<br>Spring Washer M8<br>Hexagon Socket Bolt | <b>Anchor Plate for Carport(L250)</b><br>Specification : 62*49*L250<br>Material : AL6005-T5(Anodized)                                          | <b>Square Tube</b><br>Specification : L*100*100<br>Material : AL6005-T5(Anodized ) | <b>Anchor Plate for Carport(L450)</b><br>Specification : 62*49*L450<br>Material : AL6005-T5(Anodized)           | <b>Waterproof for Cross Beam</b><br>Specification : L*100*100                                                                 |

### Installation Guide

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

# PalmBri Shade

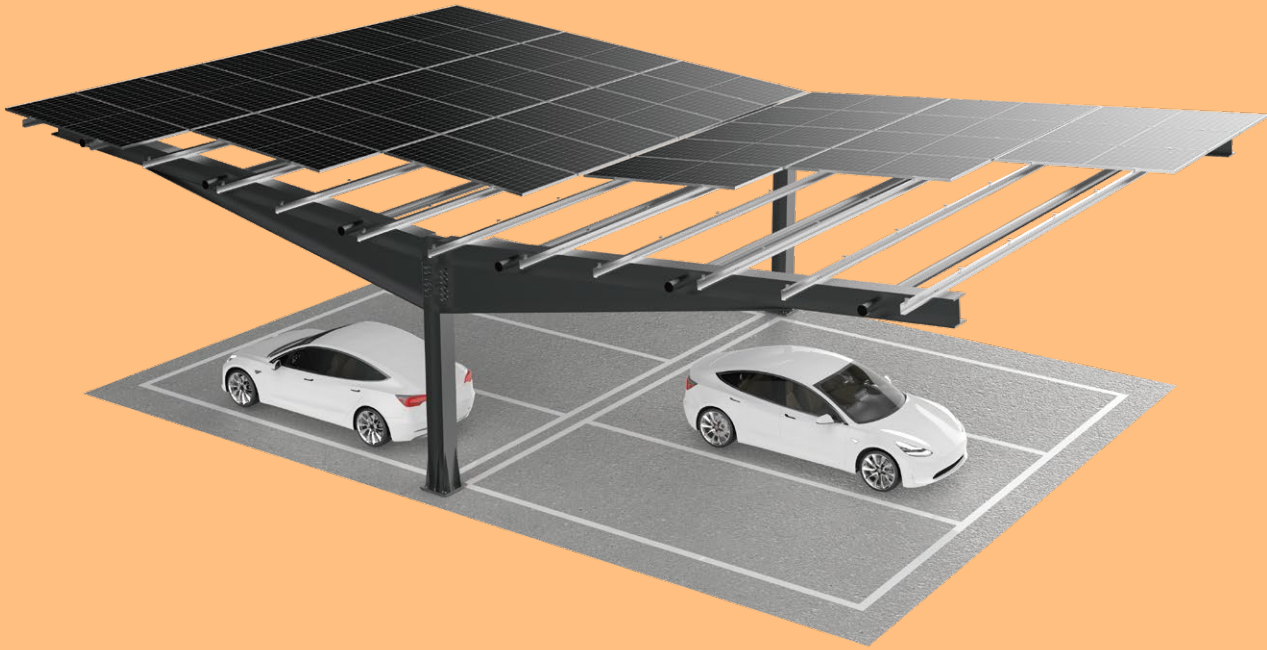
# MONO

# 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, PalmBri Rack engineers have been committed to optimize the system design, products and service quality, and provide you with the best quality solutions of photovoltaic shed.



### 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.

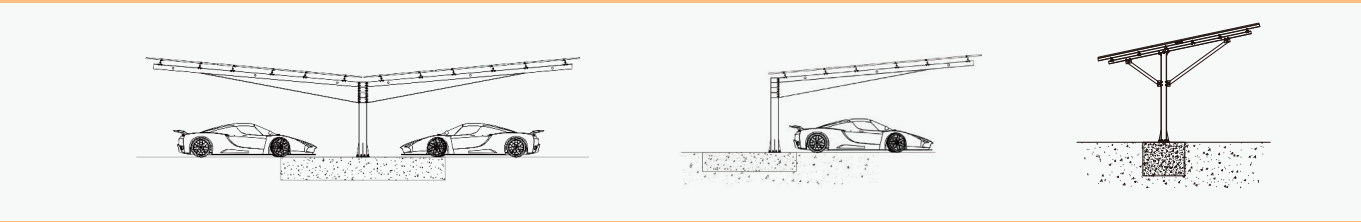
#### Compatible to Varied Solar Modules

With module clamps, the system compatible with most kinds of framed 60-cell, 72-cell.

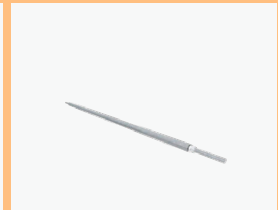
### Technical Parameters

|                         |                       |                  |                                                                         |
|-------------------------|-----------------------|------------------|-------------------------------------------------------------------------|
| System Name             | Open Area             | Design Standard  | Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10                          |
| Foundation              | Concrete Foundation   |                  | International Building Code IBC 2009, California Building Code CBC 2010 |
| Tilt Angle              | 5-15°                 |                  |                                                                         |
| Wind Load               | ≤50m/s                | Hook Material    | Zn-Al-Mg Coating Steel & HDG Steel                                      |
| Snow Load               | ≤1.6KN/m²             | Fastener         | Zn-Ni Alloy & SUS304 & HDG Steel                                        |
| Ground Clearance        | ≤1800mm~3000mm        | Small Components | AL6005-T5 (Anodized)                                                    |
| Applicable Solar Module | Framed or Frameless   | Color            | Silver or Customized                                                    |
| Panel Layout            | Portrait or Landscape | Warranty         | 10-Year Warranty                                                        |

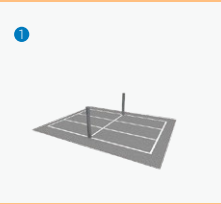
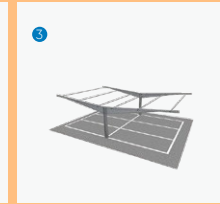
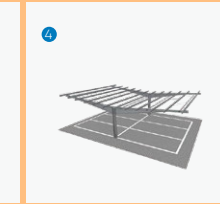
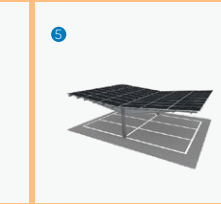
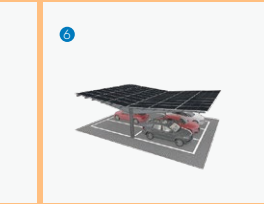
### Structure



### Component Details

|                                                                                                                                                          |                                                                                                                                                                  |                                                                                                                                                     |                                                                                                                                                          |                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>76 steel tube</b><br>Material : HDG Steel                     | <br><b>Mono post with welding plate</b><br>Material : Zn-Al-Mg Coating Steel | <br><b>Splick for Rail</b><br>Material : Zn-Al-Mg Coating Steel | <br><b>Rail Connector</b><br>Material : Zn-Al-Mg Coating Steel       | <br><b>H-shape Steel</b><br>Material : HDG Steel                   |
| <br><b>H-shape Steel with Welding Plate</b><br>Material : HDG Steel | <br><b>Pull Rod kit-A</b><br>Material : Zn-Al-Mg Coating Steel              | <br><b>Pull Rod kit-B</b><br>Material : Zn-Al-Mg Coating Steel | <br><b>Inter Clamp kit</b><br>Material : AL6005-T5(Anodized) SUS304 | <br><b>End Clamp kit</b><br>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                                                              |