

Boamax Technology

Photovoltaic Carport Solution

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examples

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What Is a Photovoltaic Carport?

■ What is a Photovoltaic Carport?



- Combining photovoltaic technology with a normal carport
- The combination of photovoltaic panel + charging pile can realize car charging
- Parking spots can be put into use, and the application scenarios are wide
- Green and sustainable energy, unlimited development prospects



The style



Sample 1



Single Slope



Double Slope

Sample 2

- The single column saves space, parking is convenient and easy to install.



The single column

- The double column structure is stable, strong wind resistance, saving steel, and more economical.



The double column

Sample 3

- The add-on type is suitable for retrofitting existing carports.



The add-on type

- Component-based design uses photovoltaic modules as structural components of carports, resulting in a simple and attractive appearance.



Component-based design

Sample 4

- Conventional carports only have the function of photovoltaic power generation.



Smart charging photovoltaic carport

- The smart carport adds functions such as energy storage, charging piles, and intelligent management, with better economic and environmental benefits and more comprehensive service functions.



Conventional photovoltaic carport

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The System Composition

The System Composition 1

PV HJT modules

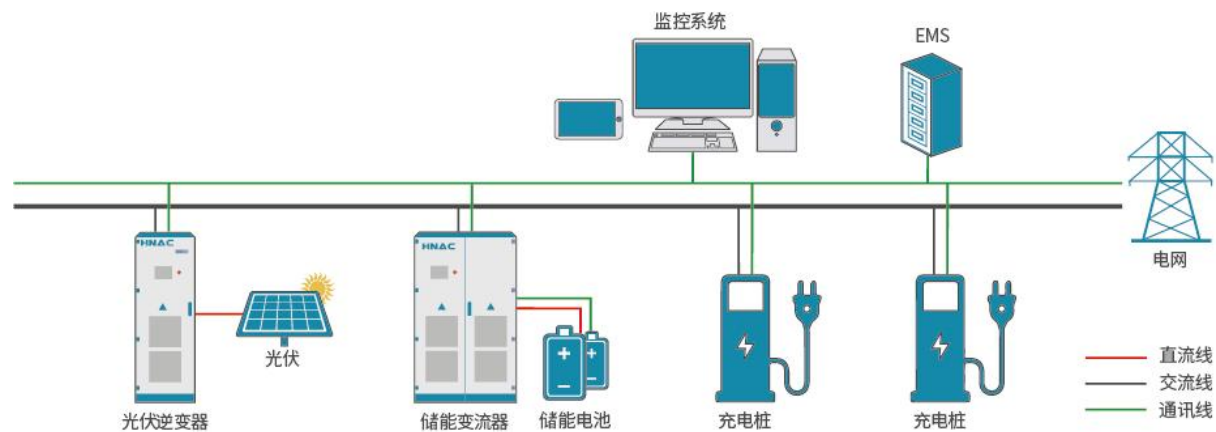
inverter

Energy storage system



The System Composition 2

➤ Charging pile:



➤ Smart energy management platform:

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Advantages

■ Advantages

Environmentally friendly



Cost-effective



Beautiful and generous



Flexible installation



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Investment Income

Investment Income

Investment cost of photovoltaic carport

- Lower cost per square meter of photovoltaic carport:
 - Including steel structure, photovoltaic system and other projects, only about 900 yuan per square meter;
- Compared with the ordinary membrane structure carport, it only increases by two or three hundred yuan per square meter;
- The increased cost can be recovered through the income from power generation.



Calculation of Investment Income

Investment income from photovoltaic carports

Calculated with one charging pile:

- One-day profit:
 $120 \times 4 \times 0.45 \sim 0.65 = 216 \sim 312$ Australian dollars
- One month profit:
 $216 \sim 312 \times 30 = 6480 \sim 9360$ Australian dollars
- A charging pile earns a conservative income of about 70,000 to 110,000 Australian dollars a year
- Government subsidies
- Obtain income



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**Application Examples
of**

Photovoltaic Carports

■ Haining, Zhejiang: 6MW photovoltaic carport project



■ Mexico: The 77.7kW photovoltaic carport project



■ Small household models



A modern architectural hallway with a curved ceiling and a wall of vertical slats. The word "Thanks" is centered in the middle of the image in a bold, blue font.

Thanks