



## PHOTOVOLTAIC CARPORT SERIES

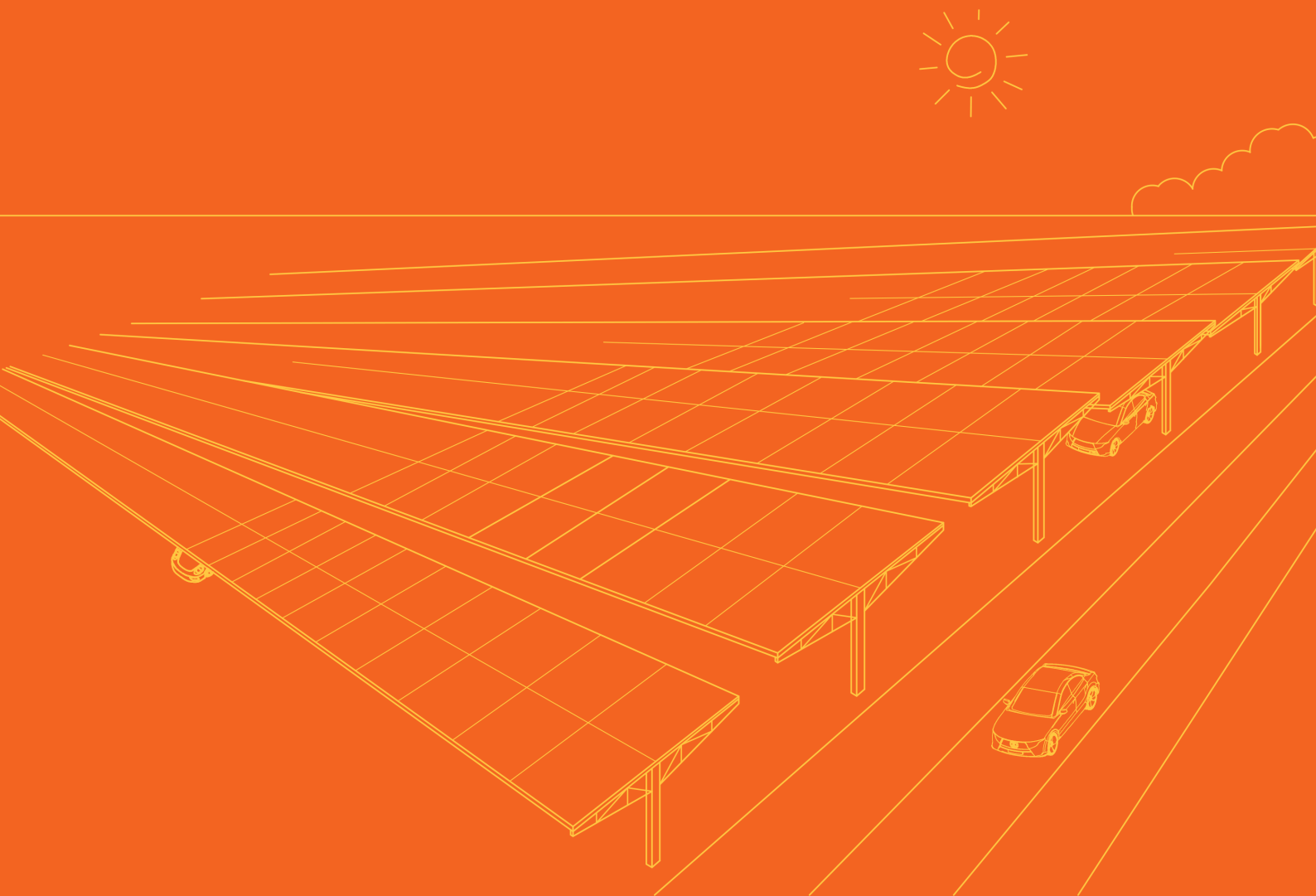
Safety expert in solar bracket



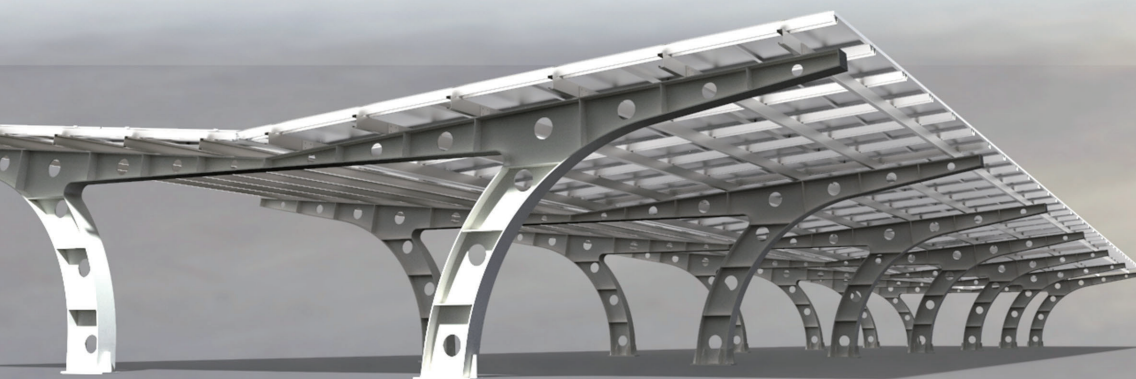
# SOLAR SERVE ANYTIME, ANYWHERE

## Industrial, commercial and household photovoltaic carport

The perfect combination of photovoltaic power generation and carport is one of the application of BIPV photovoltaic building integration. Huading HD-Car photovoltaic carport products can not only realize all the functions of traditional carports, but also bring steady green power generation benefits to the owners, achieving the multifunctional and environmental goal. Using high-strength lightweight aluminum alloy and steel structural materials, with professional industrial design, simple, elegant, beautiful, and fashionable, it'll create a new sunny image for the owners.



# Industrial and commercial photovoltaic carport



Charging pile



Battery storage system

## Features:

### 1 Efficient power generation

Efficient photovoltaic system design to ensure high output.

### 2 Strong compatibility

The carport photovoltaic system can be on/off grid, connected to a micro-grid system, combined with charging piles, etc.

### 3 Anti-leakage design

It adopts structural waterproof design with good waterproof performance.

### 4 Easy to install

The system is modular design with fewer components, and lightweight, easy to construct and install, reducing costs.

### 5 Reliable and durable

Surface oxidized aluminum alloy, surface hot-dip galvanized steel materials ensure excellent anti-corrosion performance of components.

### 6 Stable and safe

Professional mechanics calculation and special software pre-simulate operation to ensure the stability and safety of the system.

### 7 Wide application

Factory fields, business fields, parking lots, campuses, hospitals, residential quarters, etc. can be installed and used.

### 8 Modeling diversity

The appearance is beautiful, simple, and atmospheric, and a variety of styles meet individual requirements.

### 9 Personalized customization

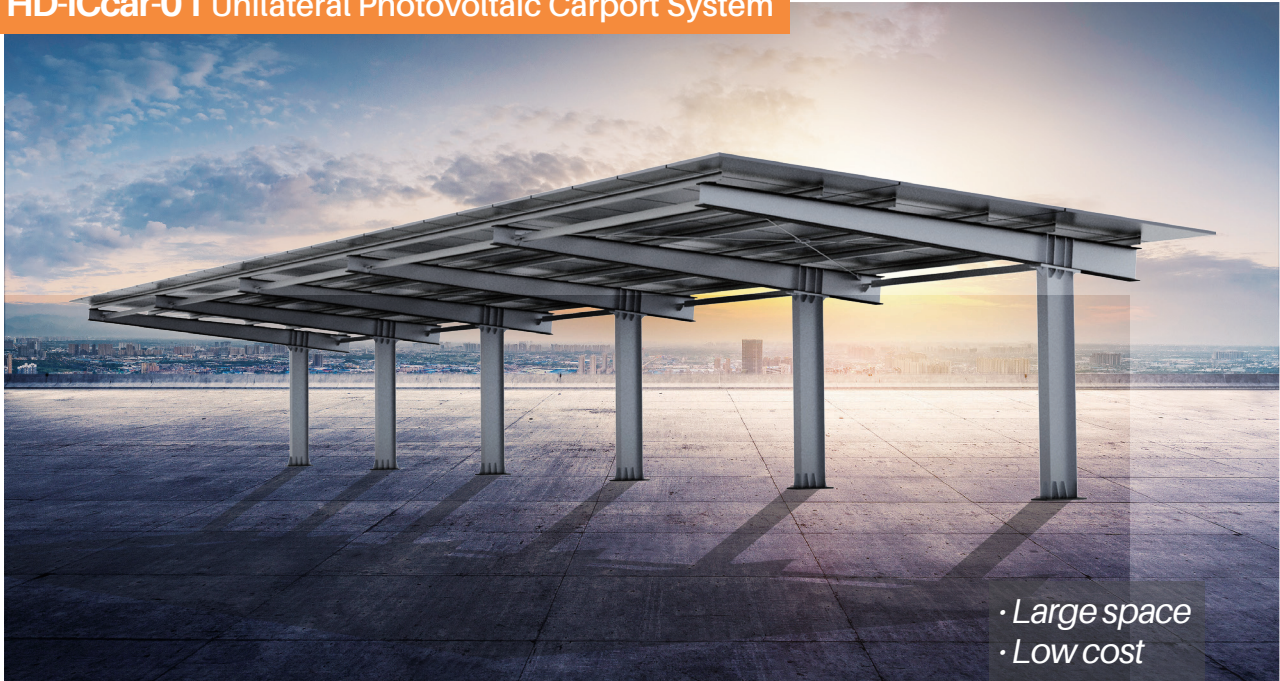
Special customized design according to customer needs.



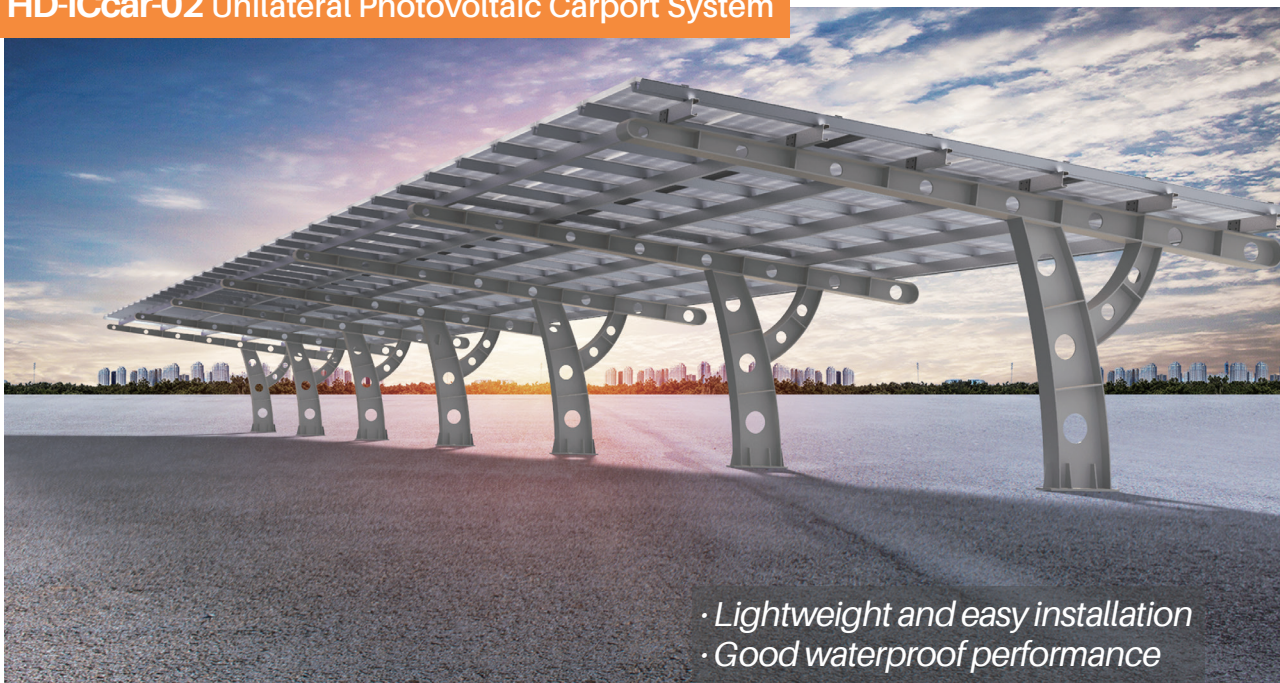
Product

## Industrial and Commercial Photovoltaic Carport

### HD-ICcar-01 Unilateral Photovoltaic Carport System



### HD-ICcar-02 Unilateral Photovoltaic Carport System





### HD-ICcar-03 Unilateral Photovoltaic Carport System



### HD-ICcar-04 Unilateral Photovoltaic Carport System

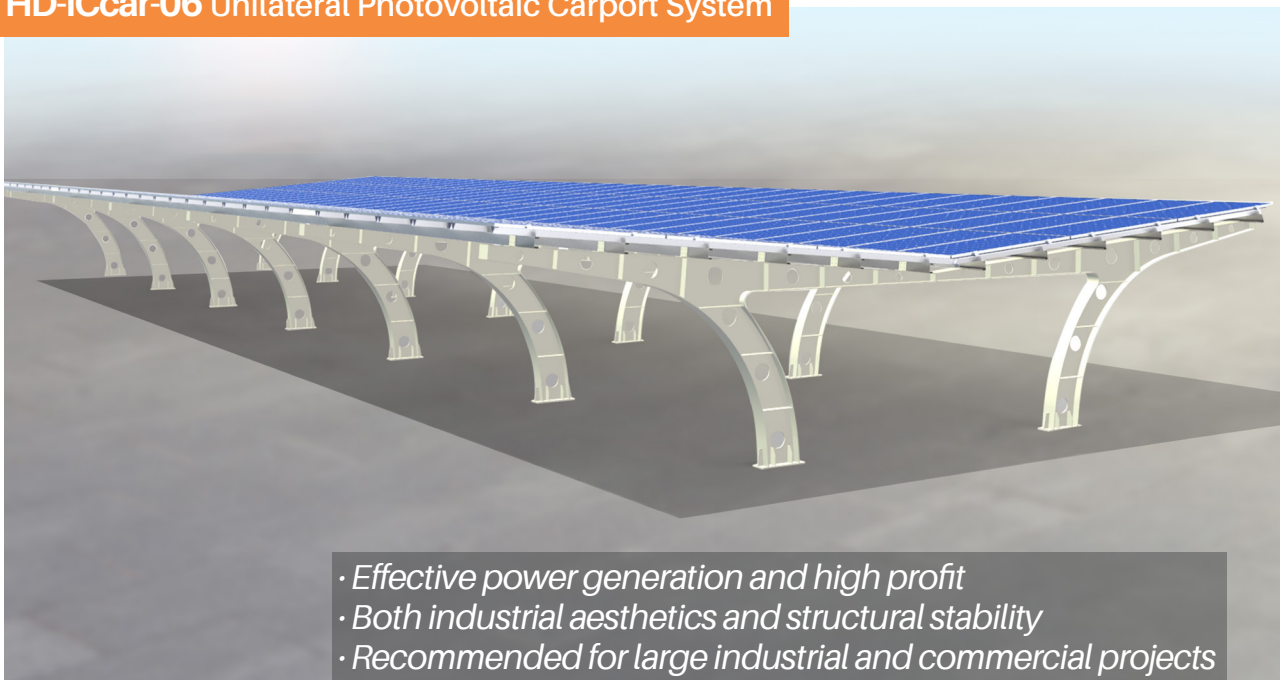




### HD-ICcar-05 Unilateral Photovoltaic Carport System



### HD-ICcar-06 Unilateral Photovoltaic Carport System



## Industrial and commercial photovoltaic carport **Parameter:**

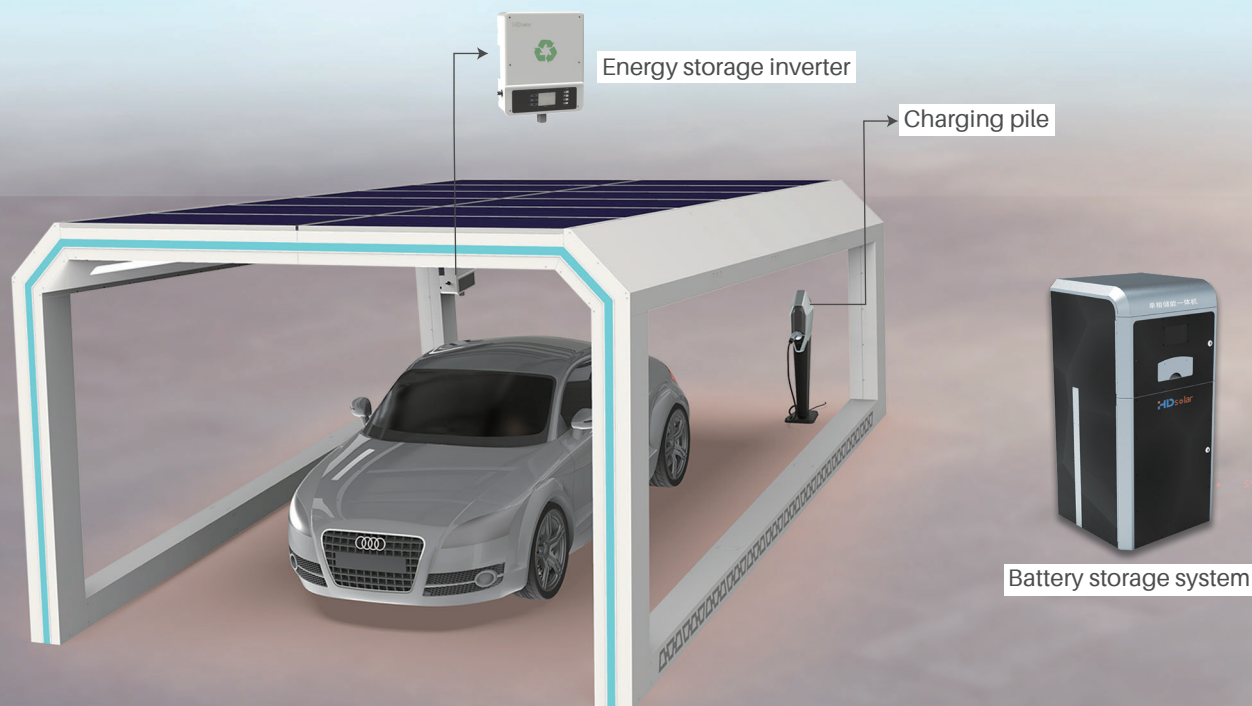
Structure Parameters	
Number of parking spaces	Customize
Installation area	Customize
Carport material	Aluminum alloy
	Carbon steel
Installation angle	0~30°
Waterproof design	Waterproof
	Not waterproof
Windproof grade	30m/s
	40m/s
	50m/s
Snow pressure	1.4KN/m <sup>2</sup>
Ground clearance	≥2.2m
Model	Serial number
Surface treatment	Hot-dip galvanizing painting/anodizing/....

Electrical Parameters			
Power distribution method	Off-grid energy storage		
	On-grid		
	On-grid energy storage		
	On/off grid energy storage		
Total power	Customize		
Output voltage	220V		
	380V		
	Other		
Energy storage capacity	Need	Lithium battery	
		VRLA battery	
	No need		
	Customize		
Charging pile	Need	AC	Quantity
		DC	
Others			
Warranty	10 years		





# Household photovoltaic carport



## Features:

### 1 BIPV design concept

The integrated design of light, storage and charging has both power generation and waterproof functions.

### 2 Intelligent control

APP system information monitoring, multiple working modes and electric intelligent management.

### 3 Professional customized service

Choose from four installation modes, meet needs from different customers.

### 4 Safe and stable

Professional mechanics calculation and special software pre-simulate operation to ensure the stability and safety of the system.

### 5 Cost-effective

The modular design of the system makes it easy and quick to install and save construction costs.

### 6 Reliable and durable

Choose high-quality materials and superb surface treatment technology to ensure the weather-ability and corrosion resistance of the product.

### 7 Aesthetic Modelling

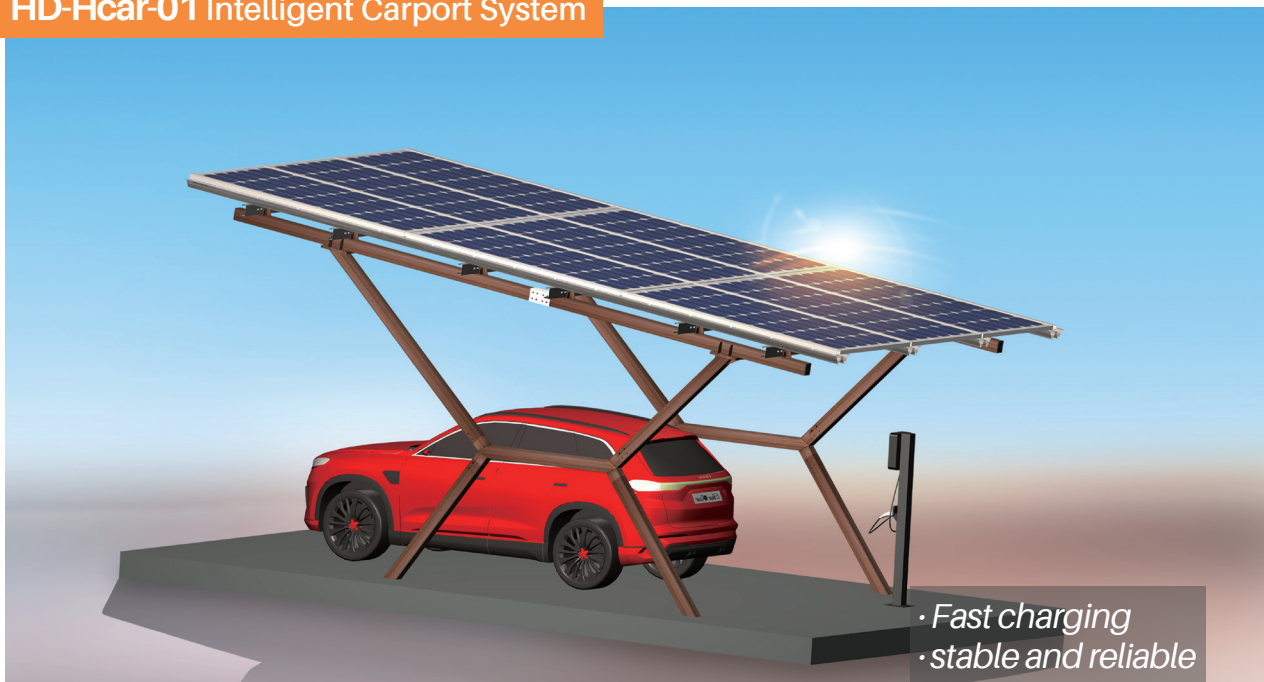
Fashionable, concise and elegant design concept, a variety of styles meet the individual needs of users.

### 8 Personalized customization

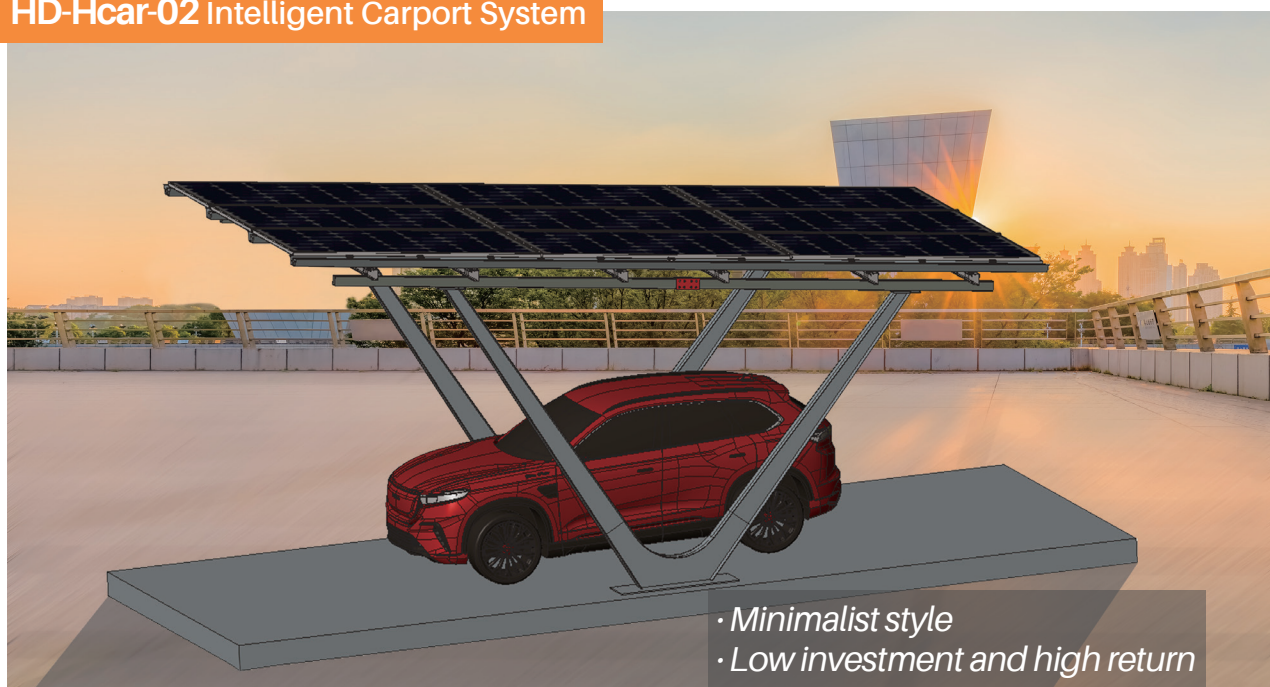
Special customized design according to customer needs.

Product  
**Industrial and Commercial Photovoltaic Carport**

**HD-Hcar-01 Intelligent Carport System**



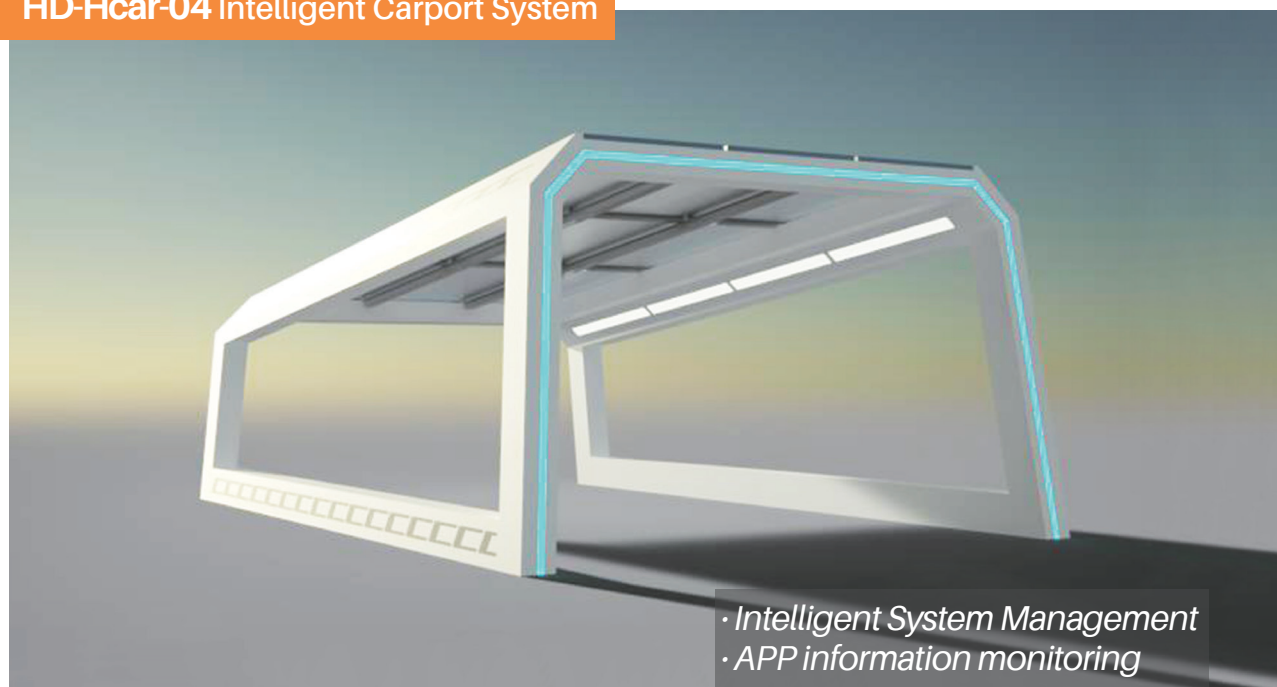
**HD-Hcar-02 Intelligent Carport System**



### HD-Hcar-03 Intelligent Carport System

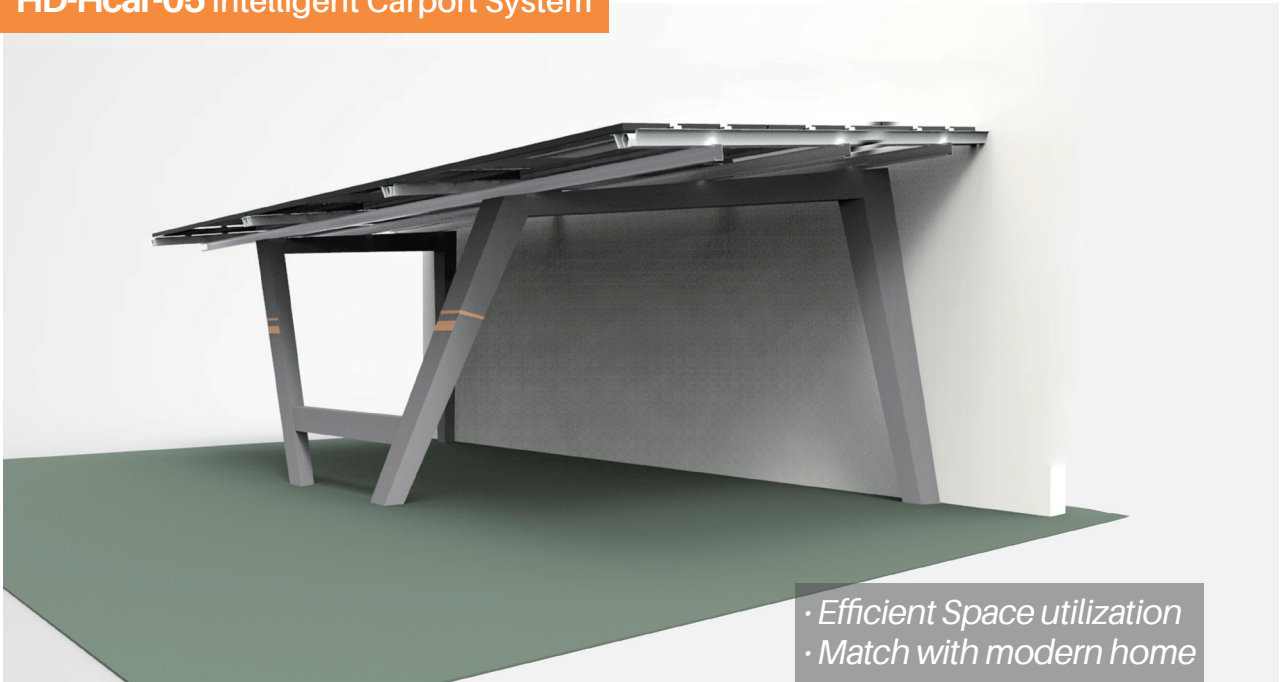


### HD-Hcar-04 Intelligent Carport System





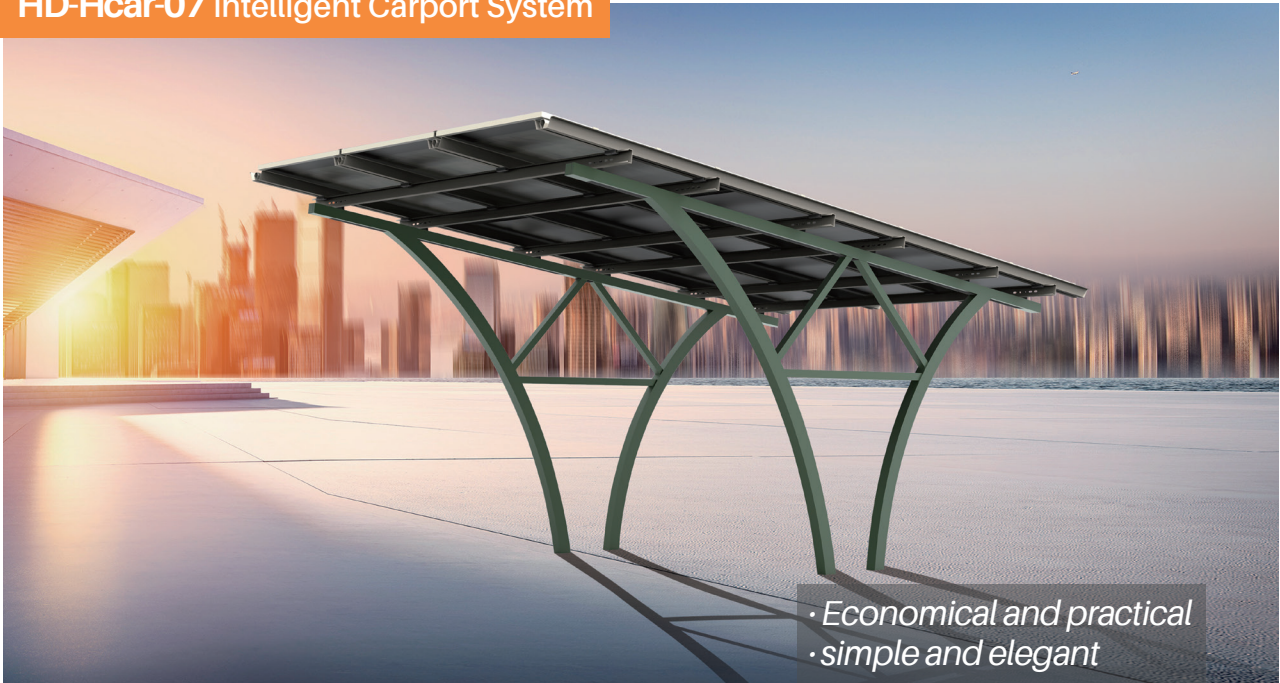
### HD-Hcar-05 Intelligent Carport System



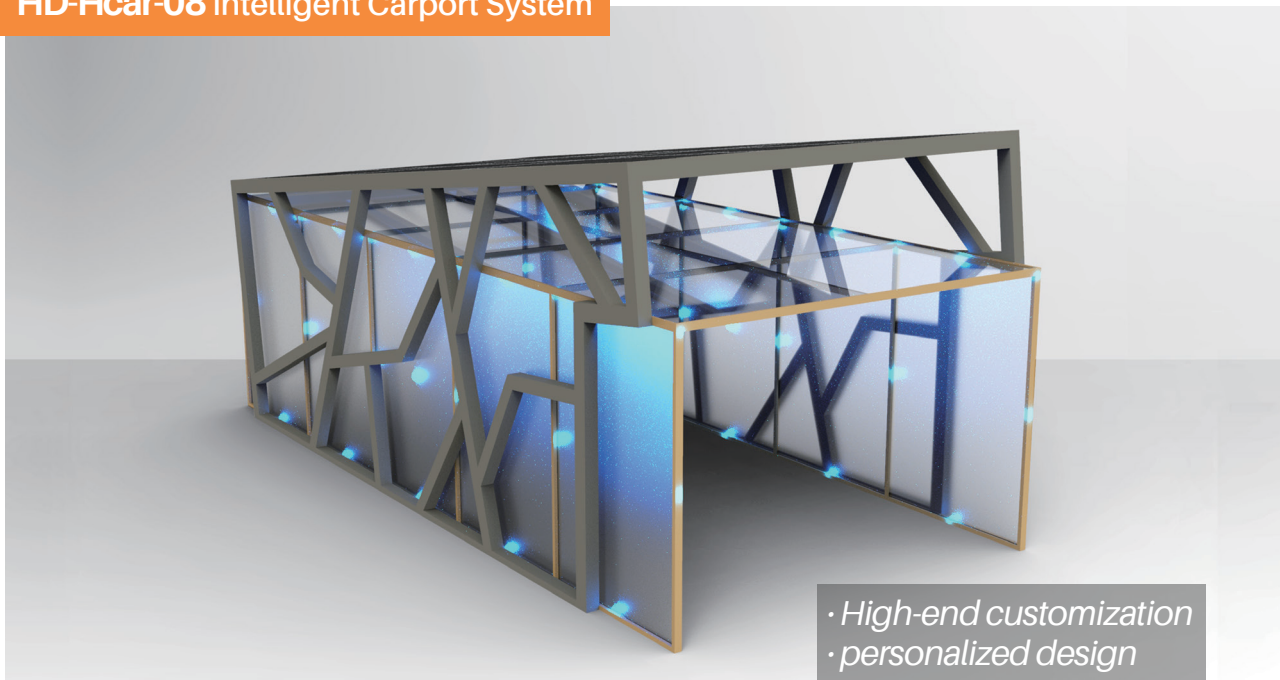
### HD-Hcar-06 Intelligent Carport System



## HD-Hcar-07 Intelligent Carport System



## HD-Hcar-08 Intelligent Carport System





## HD-Hcar-09 Intelligent Carport System



### Residential carport **Parameter:**

Structure Parameters	
Number of parking spaces	1
	2
	Customize
Installation area	3*6
	4*6
	5*6
	6*6
	Customize
Carport material	Aluminum alloy
	Carbon steel
Installation angle	0~30°
Waterproof design	Waterproof
	Not waterproof
Windproof grade	30m/s
	40m/s
	50m/s
Snow load	1.4KN/m <sup>2</sup>
Ground clearance	≥2.5m
Surface treatment	Hot-dip galvanizing painting/anodizing/...

Electrical Parameters		
Power distribution method	Off-grid energy storage	
	On-grid	
	On-grid energy storage	
	On/off grid energy storage	
Total power	Consistent with the area	
Out put voltage	220V	
	380V	
	Other	
Energy storage capacity	Need	Lithium battery
		VRLA battery
	No need	
	Customize	
Battery type	Lithium battery	
	VRLA battery	
Charging pile	Need	AC
		DC
	No need	
Others		
Warranty	10 years	





**HANGZHOU HUADING SOLAR ENERGY TECHNOLOGY CO., LTD.**

**T** :0571-8522 1931

**M**:info@hdsolartech.com

**Add**:2-9F, Jiamei building, Hangzhou, China 310022