

BIPV SOLUTION

AKCOME BIPV SYSTEM SOLUTION

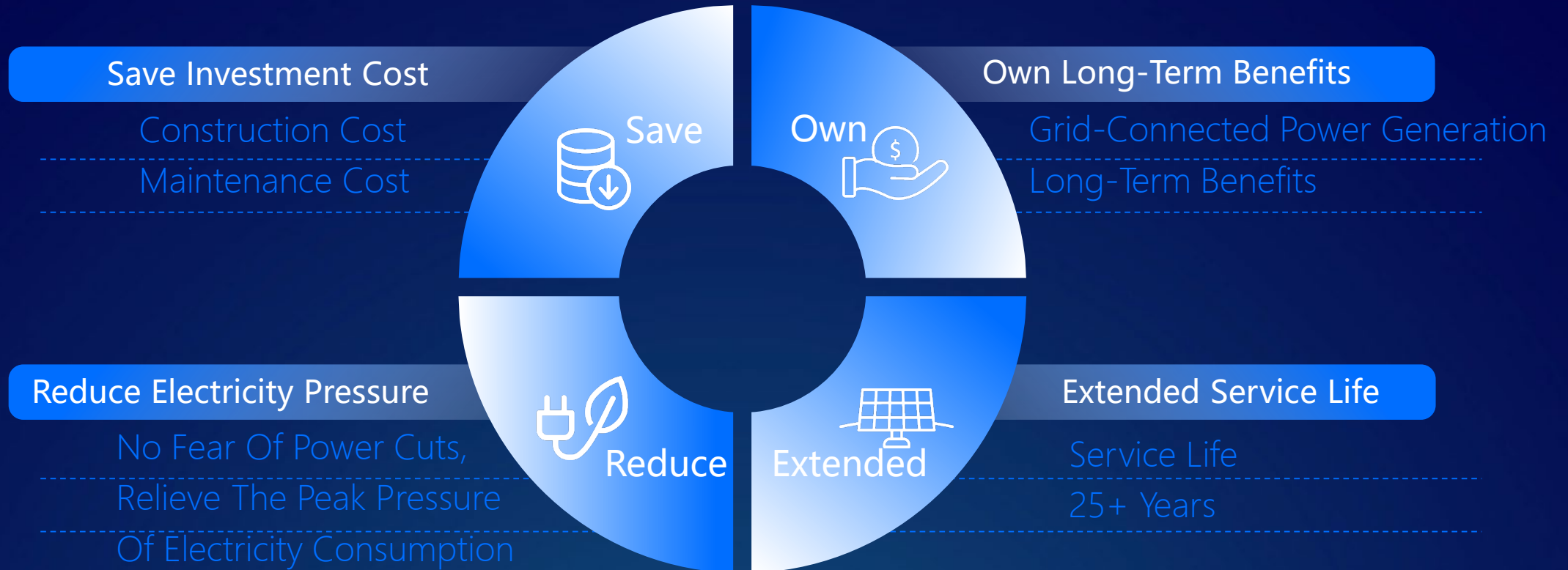
PV MOUNTING SYSTEM

Smart Mounting System · Photovoltaic New Value



AKCOME BIPV SERIES

Four Benefits Of BIPV Owners



iCapower Contents

Akcome iCapower
Series

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Akcome iCapower
Series

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Series

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AKCOME BIPV SYSTEM

iCapower



BIPV Industrial And Commercial Series

iCapower-R

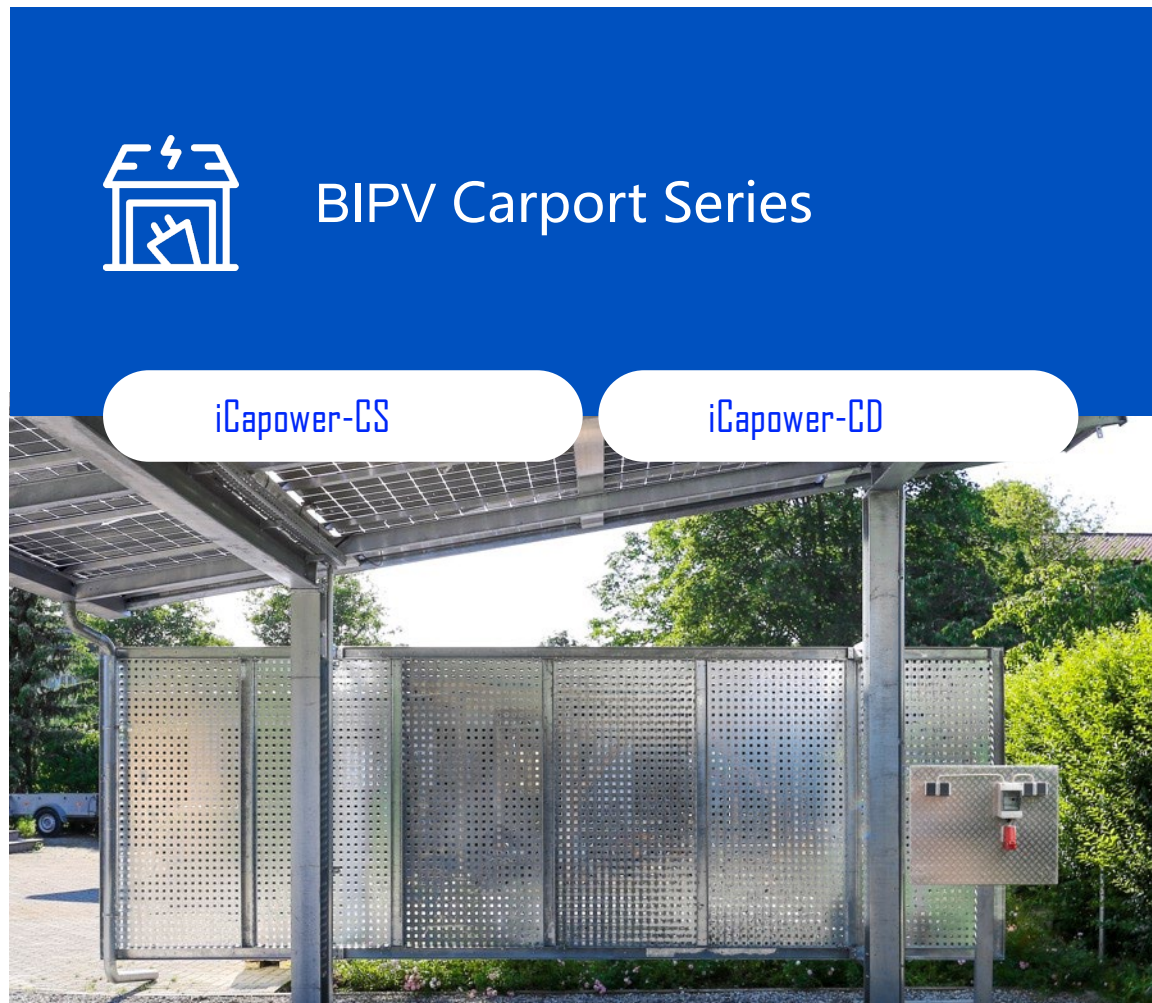
iCapower-D



BIPV Carport Series

iCapower-CS

iCapower-CD



Part 01

Akcome iCapower Series

Product Details

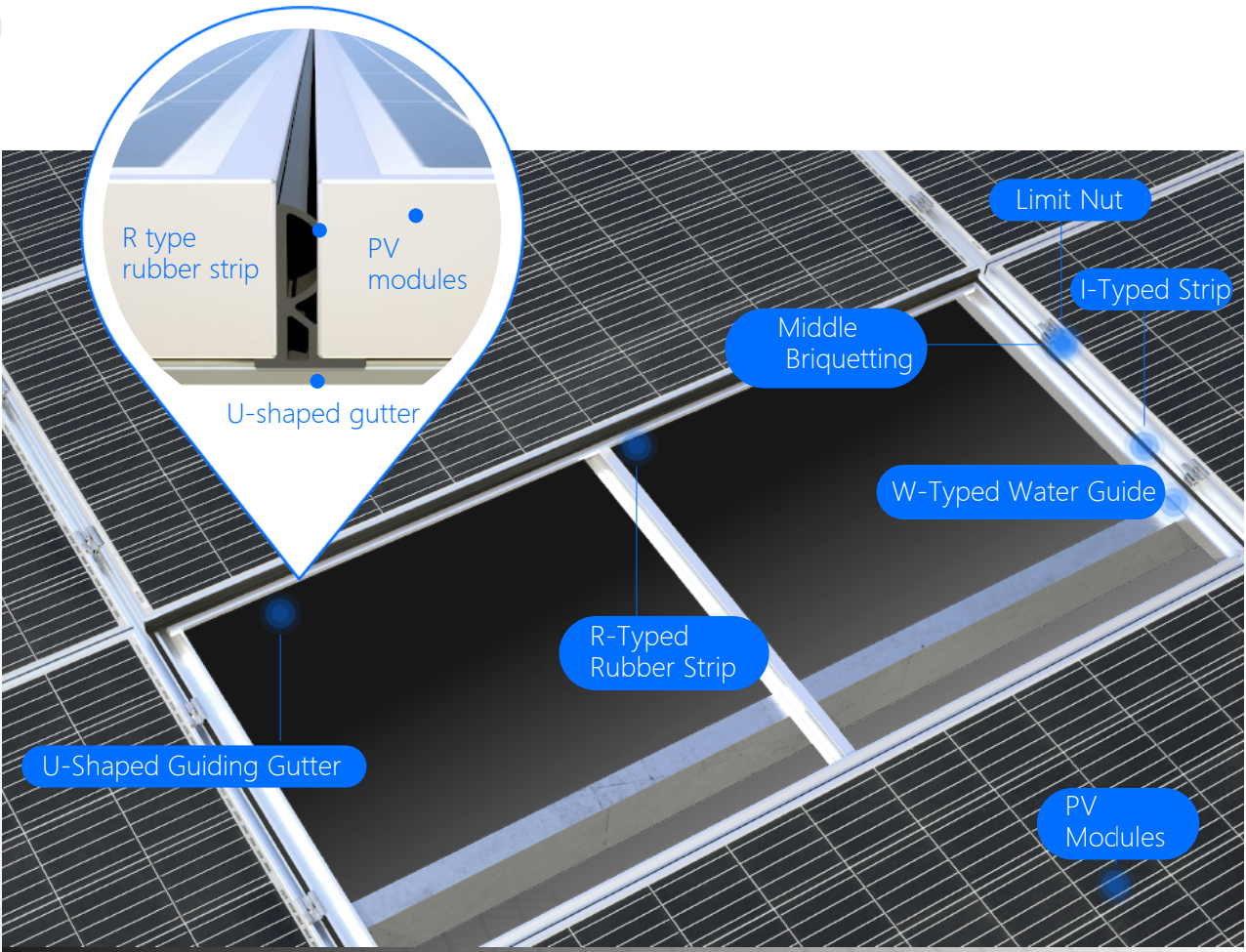
Akcome iCapower Series Product Details

iCapower-R BIPV



BIPV Industrial And Commercial Bracket Products · Technical Parameters

Design	Mode
Vertical Waterproof	Integrated Load-Bearing And Drainage Design
Horizontal Waterproof	Independent Horizontal U-Shaped Gutter
Overlapping Method	Plug In
Structural Material	Hot-Dip Galvanized/High-Strength Steel Magnesium Aluminum Zinc Steel
Component Type	All Border Components
Obverse/Reverse System Under Pressure	5400/2400Pa
Node Pullout (Kg)	≥800
Material	S420GD
Strength σ_s (MPa)	≥420
Tensile Strength(MPa)	520



Akcome iCapower Series Product Details

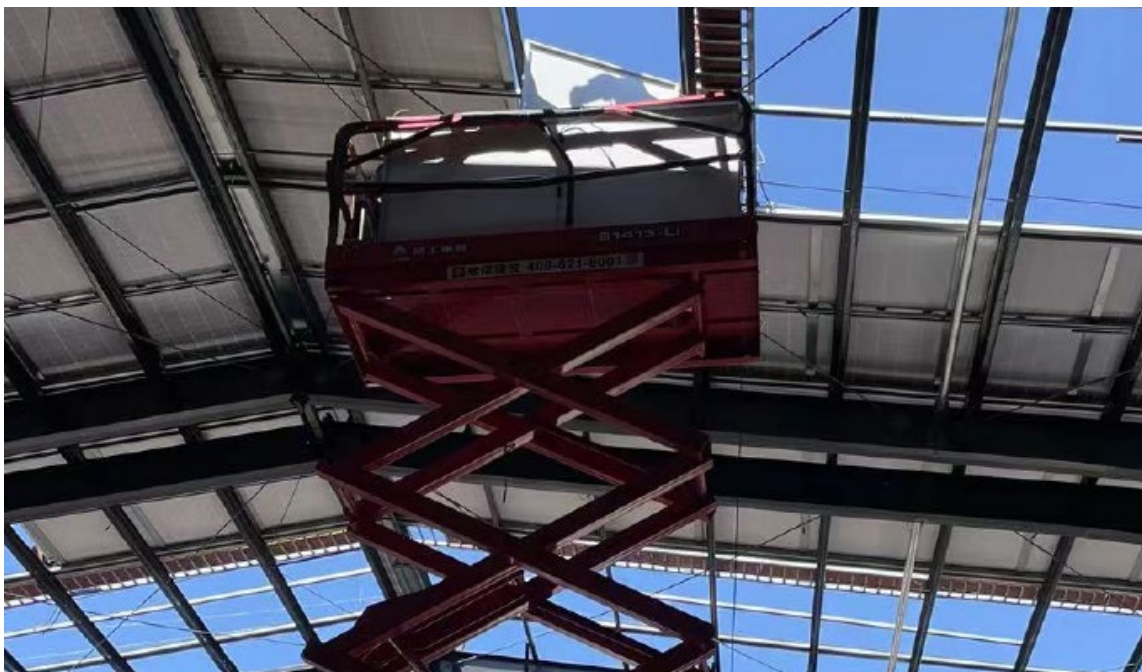
iCapower-R BIPV



BIPV Industrial And Commercial Bracket Products And Application Scenarios

New Plant Construction

The new factory building is directly covered with steel structure BIPV system, To maximize economic benefits.



Renovation Of Old Factory Buildings

The old factory building needs to maintain the roof and rebuild the steel structure BIPV system, Realize the organic combination of enterprise energy saving and emission reduction with economic benefits.

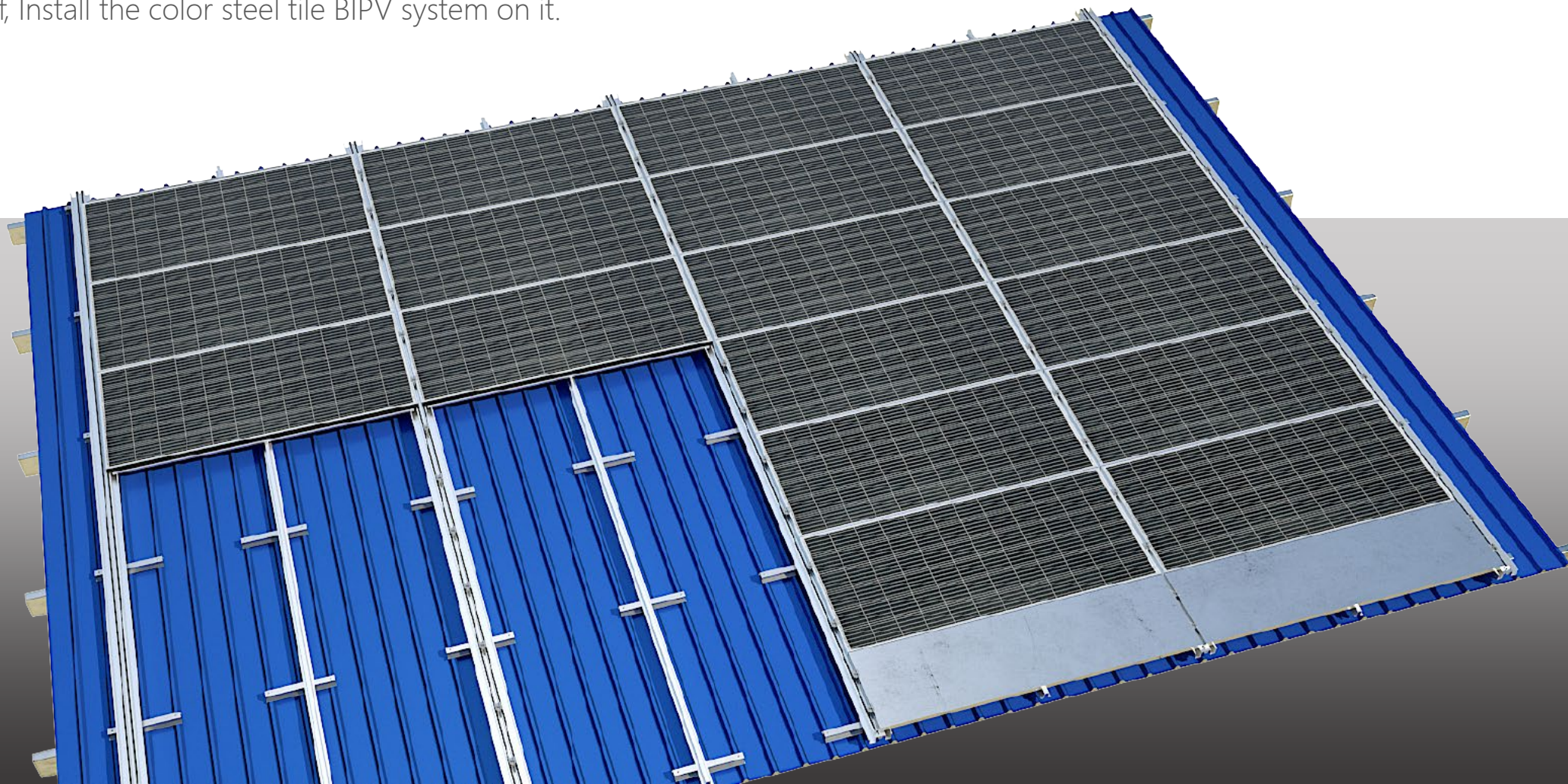


Akcome iCapower Series Product Details

iCapower-D BIPV



Add a heightening seat at the place where the W water guide groove is installed on the upper flange of the purlin on the roof, Install the color steel tile BIPV system on it.



Akcome iCapower Series Detailed Product Series iCapower-D BIPV



iCapower-D BIPV Product · Application Scenario

Building On Color Steel Tile Roof

It can be covered on the original color steel tile "iCapower-D" BIPV system

Does Not Affect
The Normal
Production And
Operation Of
Enterprise

Building On A Concrete Roof

Capping on the original concrete roof "iCapower-D" BIPV system



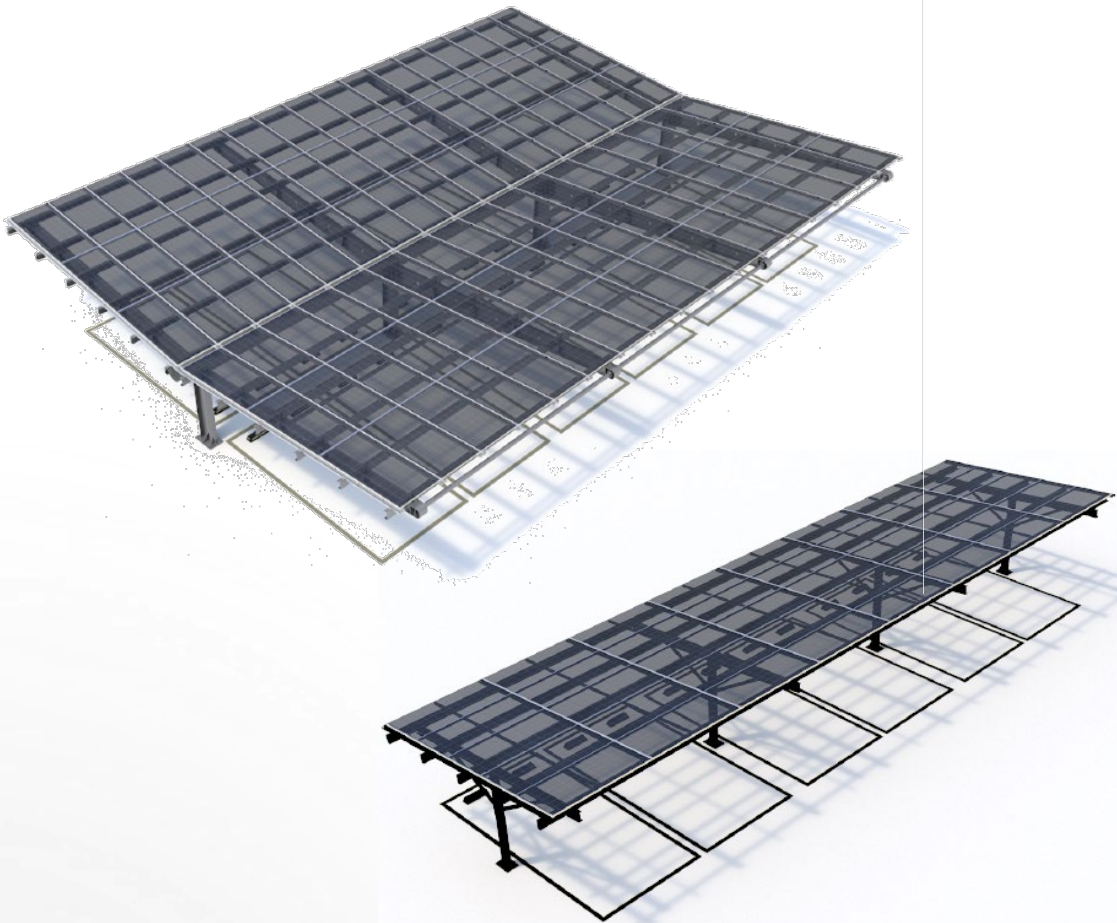
Akcome iCapower Series Product Details

iCapower-C BIPV



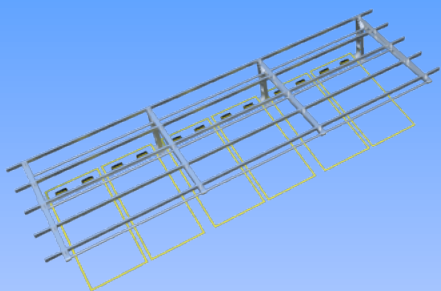
BIPV Carport Bracket Products · Technical Parameters

Product Series	Single Column, Double Column
The Distance From The Lowest Point Of The Module To The Ground	Usually 2500mm (Customized)
PV Array	Horizontal/Vertical
Parking Span	2500—3000mm (Single Parking Space) 5000-6000mm (Double Parking Space) 7500~8500mm (Three Parking Spaces)
Angle	5-10 Degree
Surface Treatment	Hot-Dip Galvanized /Pre-Galvanized Magnesium Aluminum Zinc
Material	Q235B/Q355B (Main Steel Frame) +S420GD (Water Guide)
Waterproof Method	W-shaped, U-shaped Water Guide EPDM Waterproof Tape, Waterproof Gutter

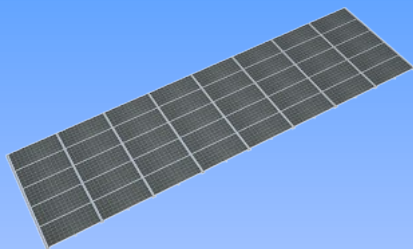


Akcome iCapower Series Product Details

iCapower-C BIPV Carport Product Solution



Photovoltaic + Carport



Photovoltaic + Carport
+ Charging Pile



Photovoltaic + Carport
+ Energy Storage



Photovoltaic + Carport +
Charging Pile + Energy Storage



Part 02

Akcome iCapower Series

Product Advantages

Technical Advantages Of Akcome iCapower Series Products

Cell Structural Waterproofing



EPDM rubber strips are tested according to the requirements of relevant national standards, and judged to be qualified according to the requirements of GB/T24498, which meets the requirements of the service life of photovoltaic power plants.

"Block + Prevent + Guide" Ensure That
Each Component Cell Is 100%
Waterproof

Block

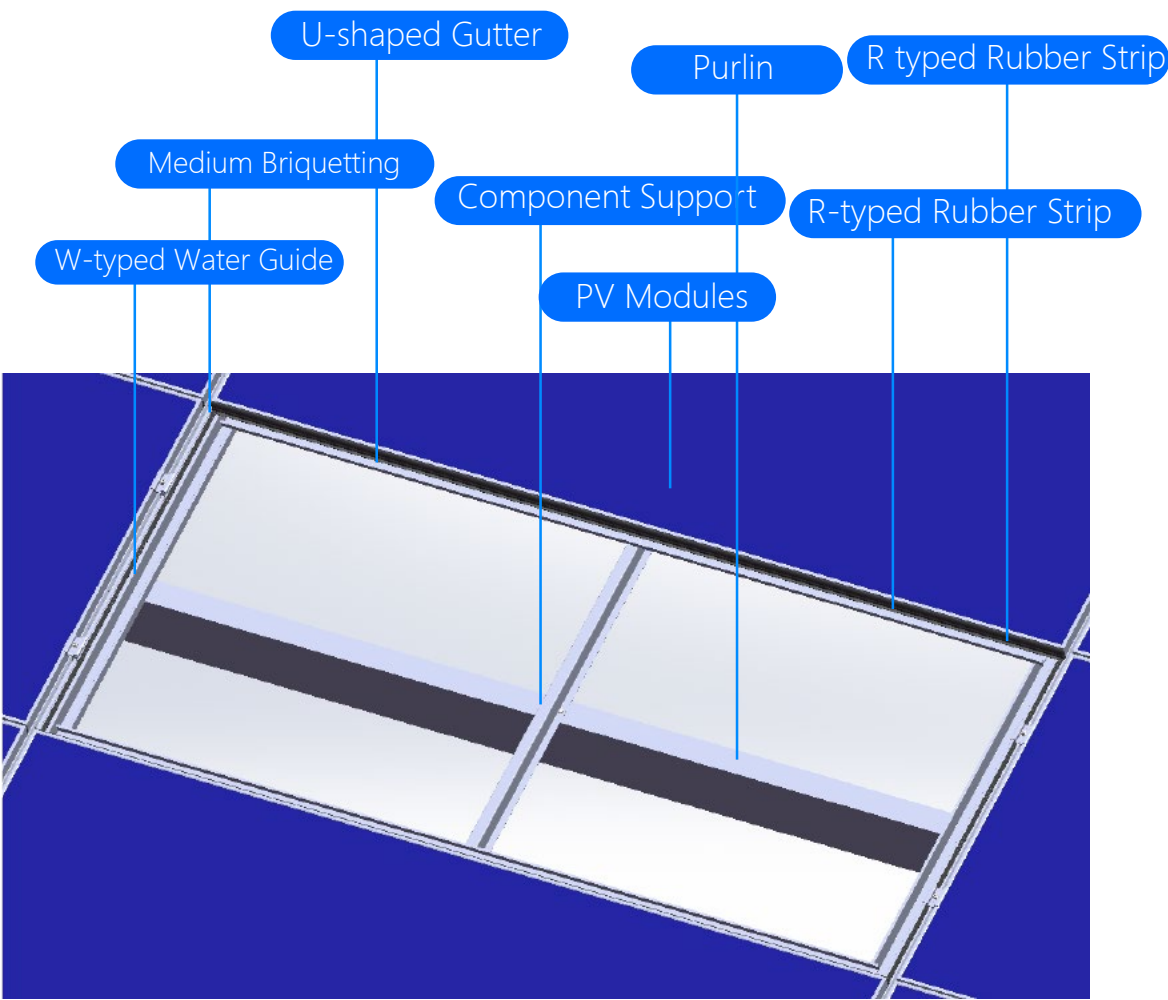
EPDM rubber strips are installed in the horizontal and vertical gaps of the modules to block a large amount of rainwater on the surface of the modules and flow into the original drainage system of the building by gravity;

Waterproof

Only a very small part of the rainwater seeps through the sealing strip and flows into the horizontal and vertical water guide grooves of the module;

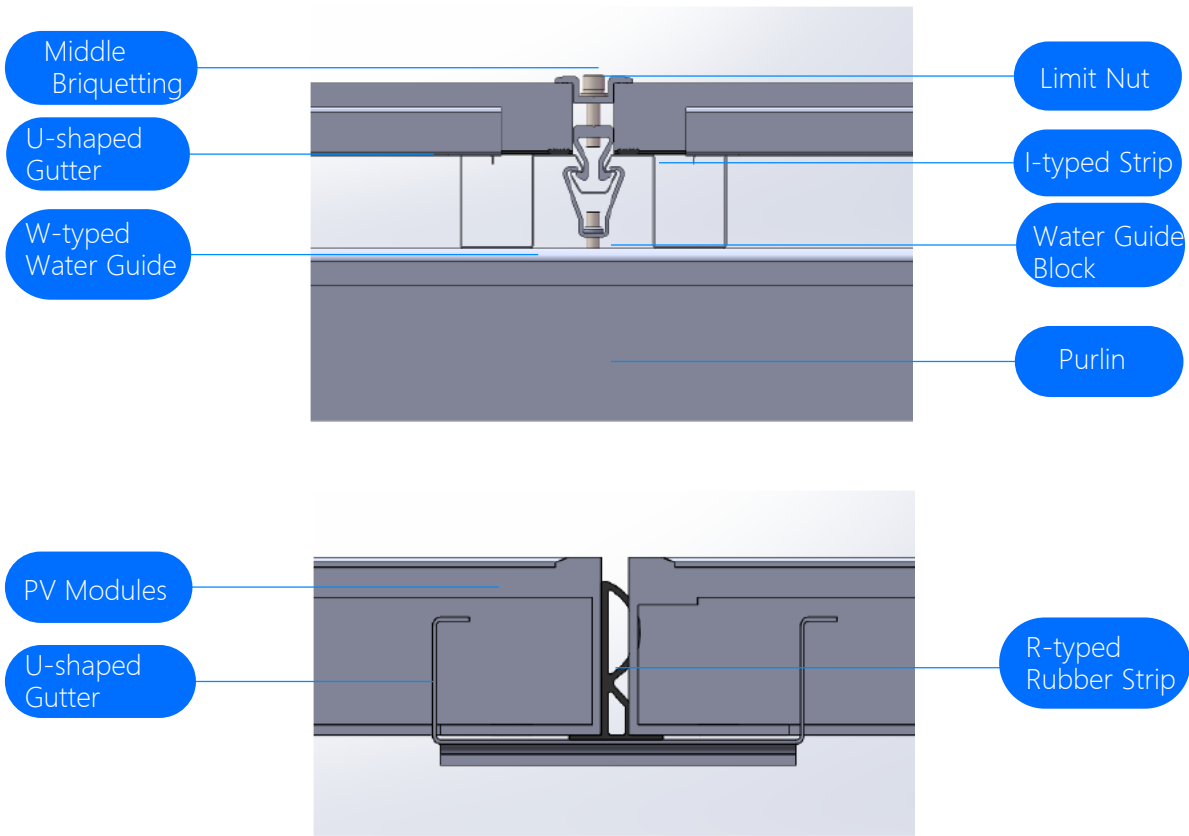
Guide

The horizontal water guide channel merges into the vertical water guide channel, and then flows into the original drainage system of the building.



Technical Advantages Of Akcome

iCapower Series Products Comprehensive Technical Support



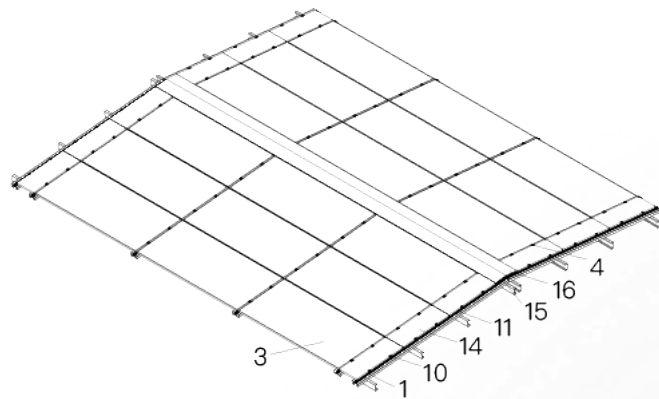
Design Points	Structural Role	Reality Application
Mainly W channel force member	The system bears 5400Pa on the front and 2400Pa on the back	Anti-wind pressure, snow load
When the component is fixed, it is fixed with the longitudinal water guide groove of a specific section through the adapter nut	No punching required	Reduce the risk of water leakage
Between components and W sink With I-type rubber strip	Anti-shock and anti-slip + sealed and waterproof	Against extreme weather; Reduce the risk of water leakage
Vertical sink adopts block fixed	Shear resistance: prevent the thermal expansion and contraction of the water guide channel from causing fixed failure	The system is more stable, longer life
Water guide bottom fixed	Tensile resistance: in the case of suction, the force is good	Withstand super typhoon
The middle part of the component adopts "几" font shape support	Prevent subsidence in the middle of the component	Prevent component cracks and water leakage
High-strength magnesium-aluminum-zinc plating; new material	Extremely high corrosion resistance, higher strength	Longer service life, save maintenance cost

Technical Advantages Of Akcome iCapower Series Products

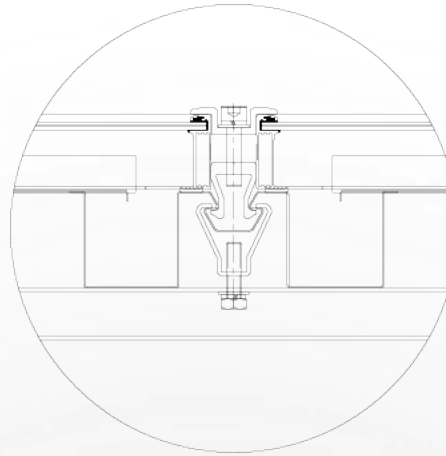
Supported By Multiple Design Patents



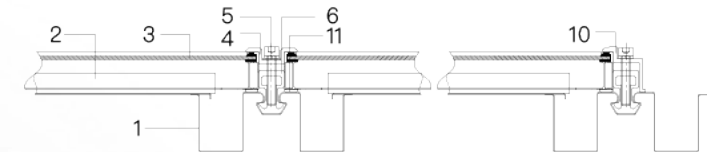
A photovoltaic building integration Waterproof system patent



A connection structure patent for the water guide groove at the bottom of the photovoltaic module and the roof



A connection structure patent for photovoltaic modules and their bottom water guides



Technical Advantages Of Akcome iCapower Series Products Strong Integration And High Adaptability



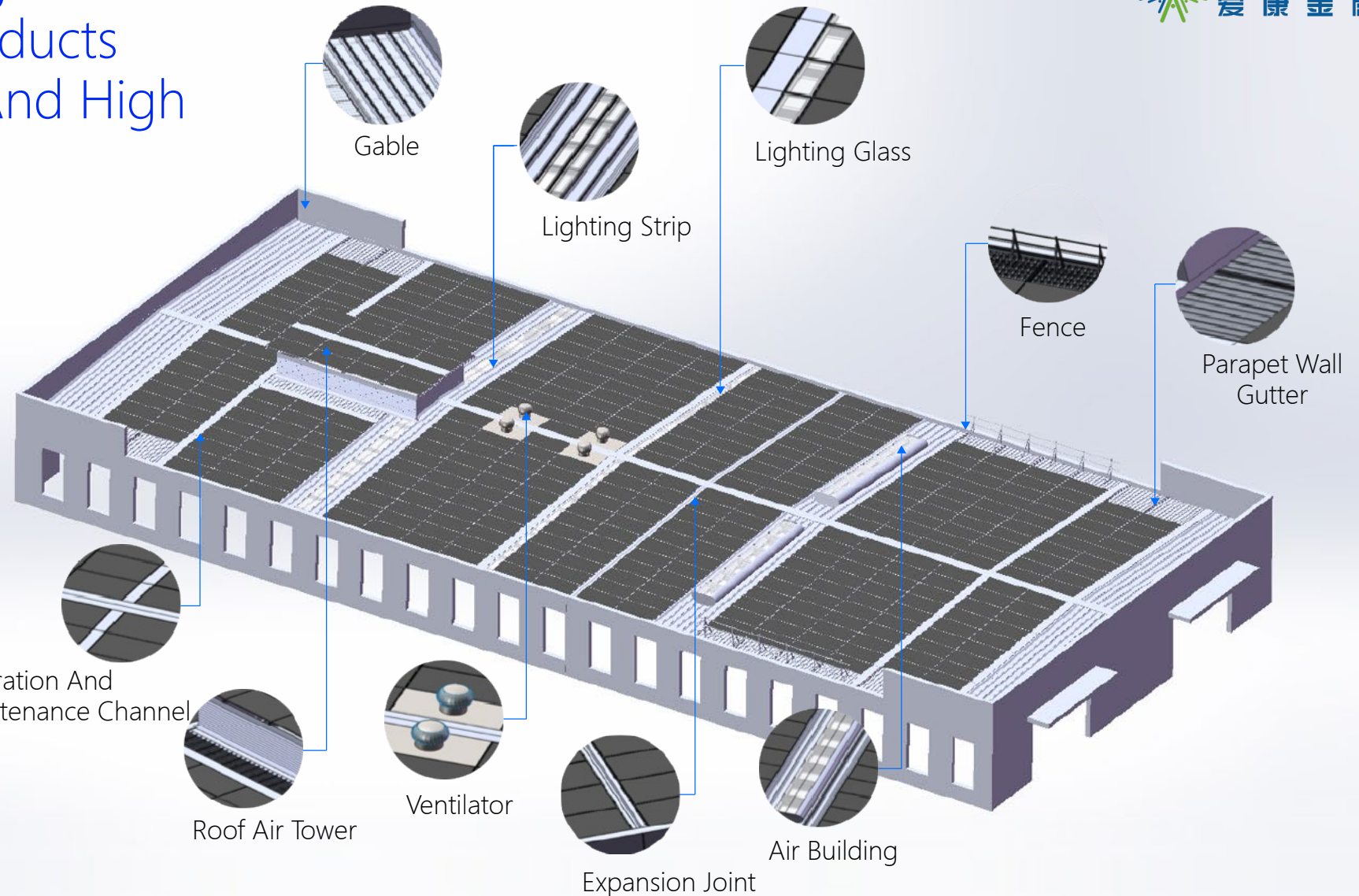
Good Lighting And Ventilation

Optional exclusive lighting system,
Fully meet the building functions.



Strong Integration Ability

Compatible with various
frame components



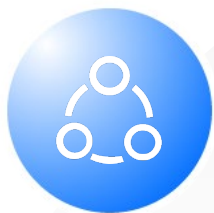
Technical Advantages Of Akcome iCapower Series Products

High-Quality Access Pedals



Economical

Special Connection Process



Neat

Material Appearance
Customization



Safety

Q420 High-Strength Steel
With Reinforcement



Advantages Of Investment Income Of Akcome iCapower Series Products



Higher
Return On
Investment





Localization

- More Than 80 Countries And Regions Around The World
- Localized Service Network Coverage
- 1 Hour Response, The Fastest Arrival Within 1 Day



Customization

- According To The Project Scene
- Customized Products According To Customer Needs



Full Cycle

- System Design
- Structure Optimization
- Professional Installation
- More Than 25 Years Of Service Life Guarantee
- Full Cycle Service

Part 03

Akcome iCapower Series

Project Cases

Akcome iCapower Series Products

Project Cases



Ningbo · Zhejiang

Akcome iCapower Series Products Project Cases



Yichun · Jiangxi



Zhangjiagang · Jiangsu

THANKS!



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PV MOUNTING SYSTEM

智慧支架 · 创益光伏新价值

