

AKCOME METALS

爱康金属



PV MOUNTING SYSTEM

INTELLIGENT MOUNTING SYSTEM CREATIVE GAINS ON NEW VALUE OF PV



Part 01

Company Introduction

Based On A Large Platform
Meticulous Research For 15 Years



AKCOME GROUP

The Leader Of PV New Value

No.460

Ranked 460th in 2022
Top 500 Chinese Energy
Enterprise (Group)

No.73

Ranked 73th in 2022 Top 100
Suzhou Private Enterprises

SZ002610

Akcome Technology
Listed on Shenzhen Stock
Exchange

HK01094

Chenghui International
Listed on Hong Kong
Stock Exchange

NO.71

Ranked 71th in 2022 PVBL
Top 100 Solar PV Brands in
the world

500

Won more than 500
world-renowned honors in
accumulative total

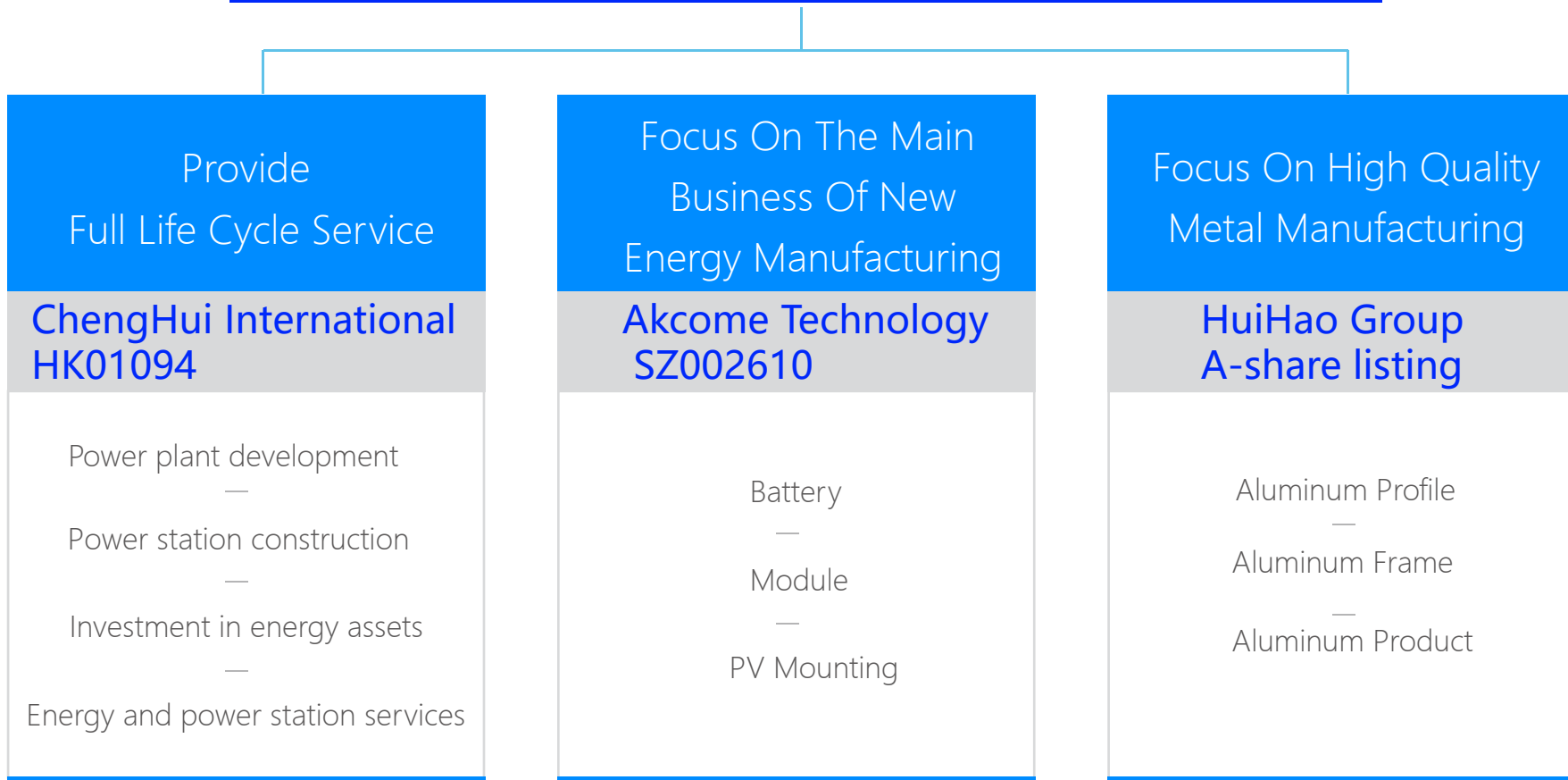


AKCOME GROUP

The Leading Enterprise Of PV New Value And HJT



Akcome Enterprise Management Group



AKCOME METALS

Manufacturer Of Intelligent PV Mounting System



15+

Established in 2008

200+

Number of Employees up to 300+

100+

Number of Technical Patents up to 100+

TOP 10

Top 5 PV Mounting in China

15GW+

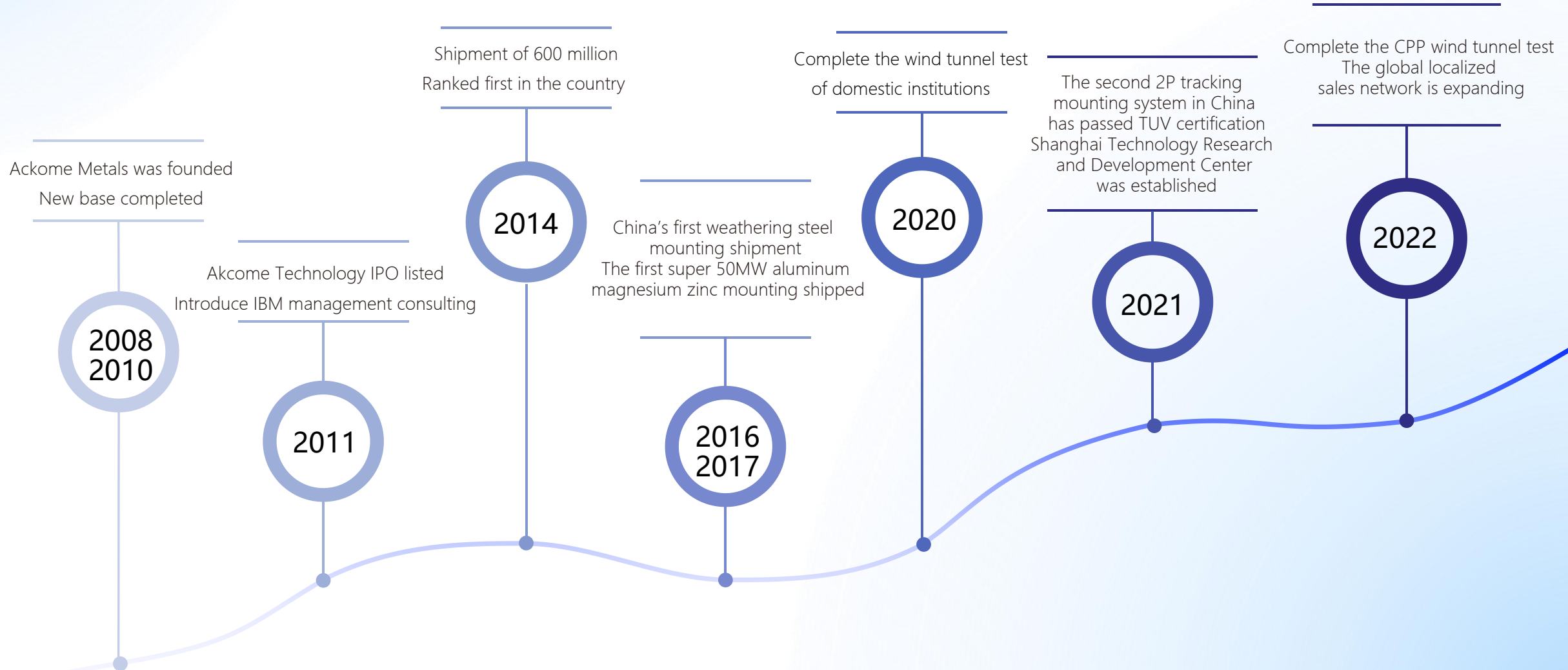
Annual capacity up to 15GW+

30GW+

Global Project Case up to 40 GW+

AKCOME METALS

Events Of Development



AKCOME METALS

Global Distribution

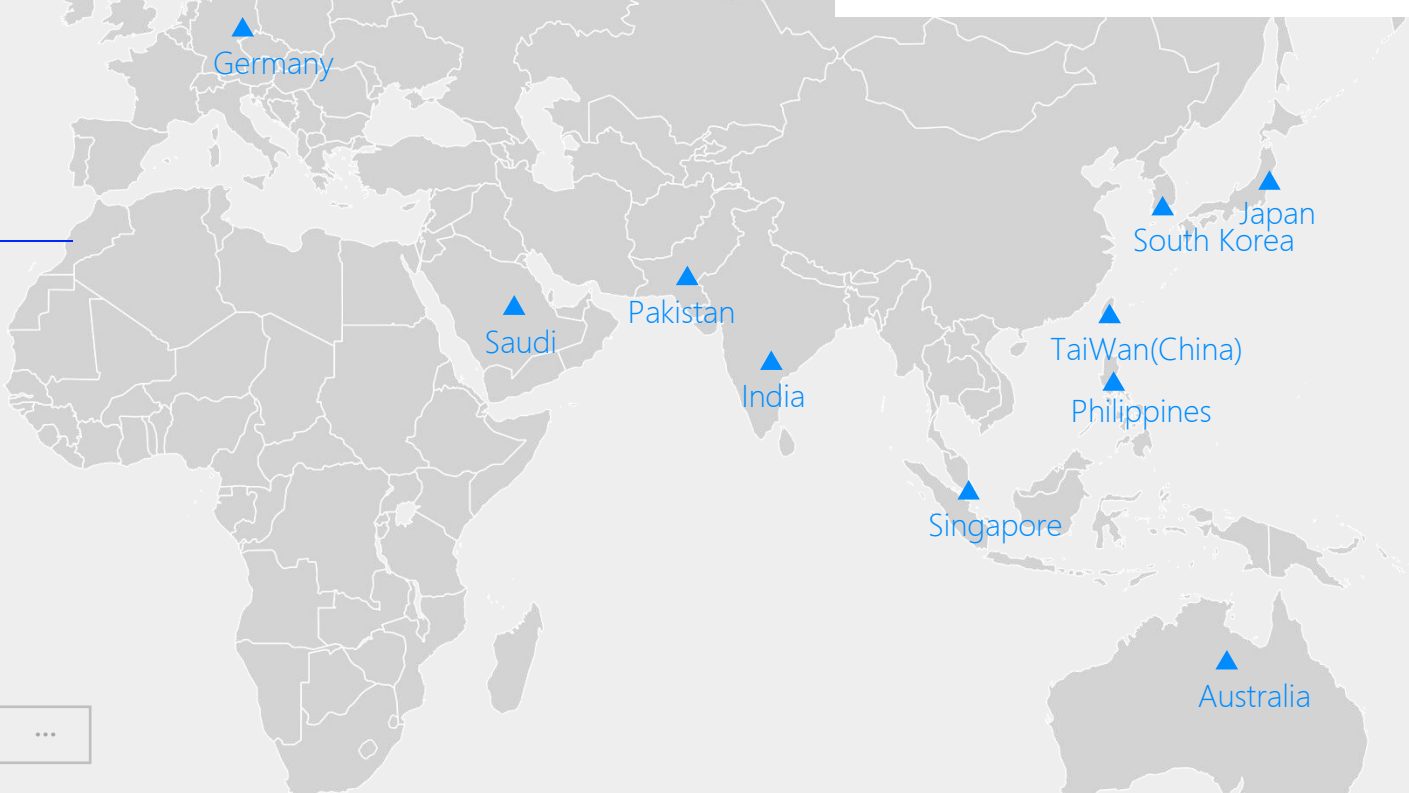


Global Offices		
<u>TaiWan(China)</u>	<u>Singapore</u>	<u>South Korea</u>
<u>Janpan</u>	<u>India</u>	<u>Saudi</u>
<u>Philippines</u>	<u>Germany</u>	<u>Brazil</u>
<u>Pakistan</u>	<u>Australia</u>	

80+
COUNTRIES
AND REGIONS

30GW+
CAPACITIES

400+
PROJECTS



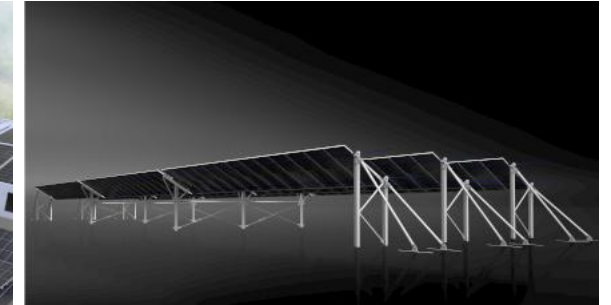
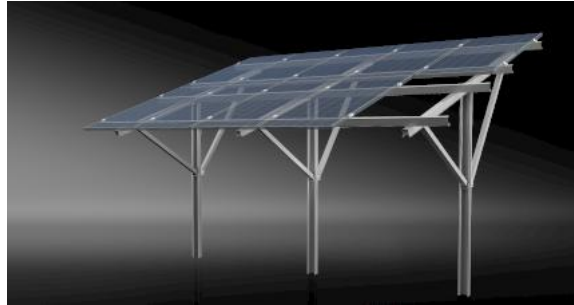
Part 02
Product System

Full-scenario
Customized
PV Mounting System
Product



AKCOME METALS

Full-scenario Customized PV Mounting System Products



Tracking Mounting System

- Reducer tracking
- **SMART-R**
- Push rod tracking
- **SMART-P**

Fixed Mounting System

- GOUND
- **Mountain-fit**

Rooftop Support System

- BIPV
- **iCapower**
- BAPV
- **iTopower**

New Technology,
New Material Bracket System

- Flexible
- **iCross**
- Fixde adjustable
- **iCatch**
 - New material
- **iForwards**

SMART- Tracking Mounting Series

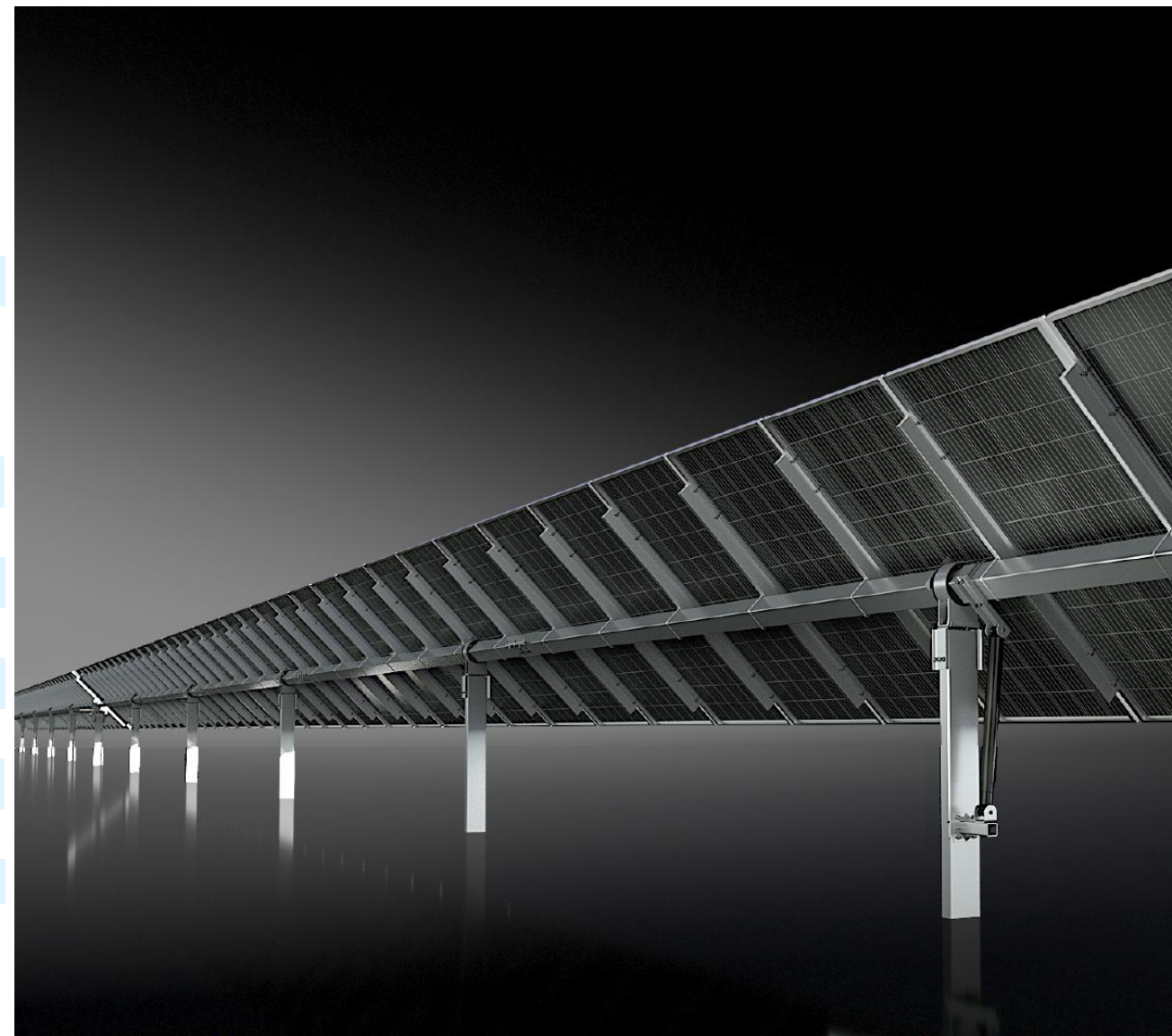
Born To The Sun · Actively Follow The Light



SMART-R Reducer Tracking

1P

Type	Single Row Independent Tracking System(1P)
Angle Range	$\pm 45^\circ/\pm 60^\circ$
Drive Mode	Rotary Reducer Drive,DC24V DC Motor
Tracker Caoacity	48.6KW (540wp) (1X90)
System Voltage	1000/1500V
Land Use Capability	$\geq 25\%$
Structure Material	Hot-dipped Galvanizing/Magnesium Aluminum Zinc Copper
Power Supply	High-voltage Series Self-power Supply
Foundtion Form	Hammer Pile/Caisson Pile/PHC Pipe Pile
Slope Adaptation	20%North-South Direction, No Limits on East-West Direction
Speed of Working wind	65Km/h (18m/s) (3S-gust)
Maximum Resistance Wind Speed	170Km/h (47m/s) (3S-gust)
Module Type	Compatible with All Modules
EnvironmentalTemperature	-30°C~60°C



SMART- Tracking Mounting Series

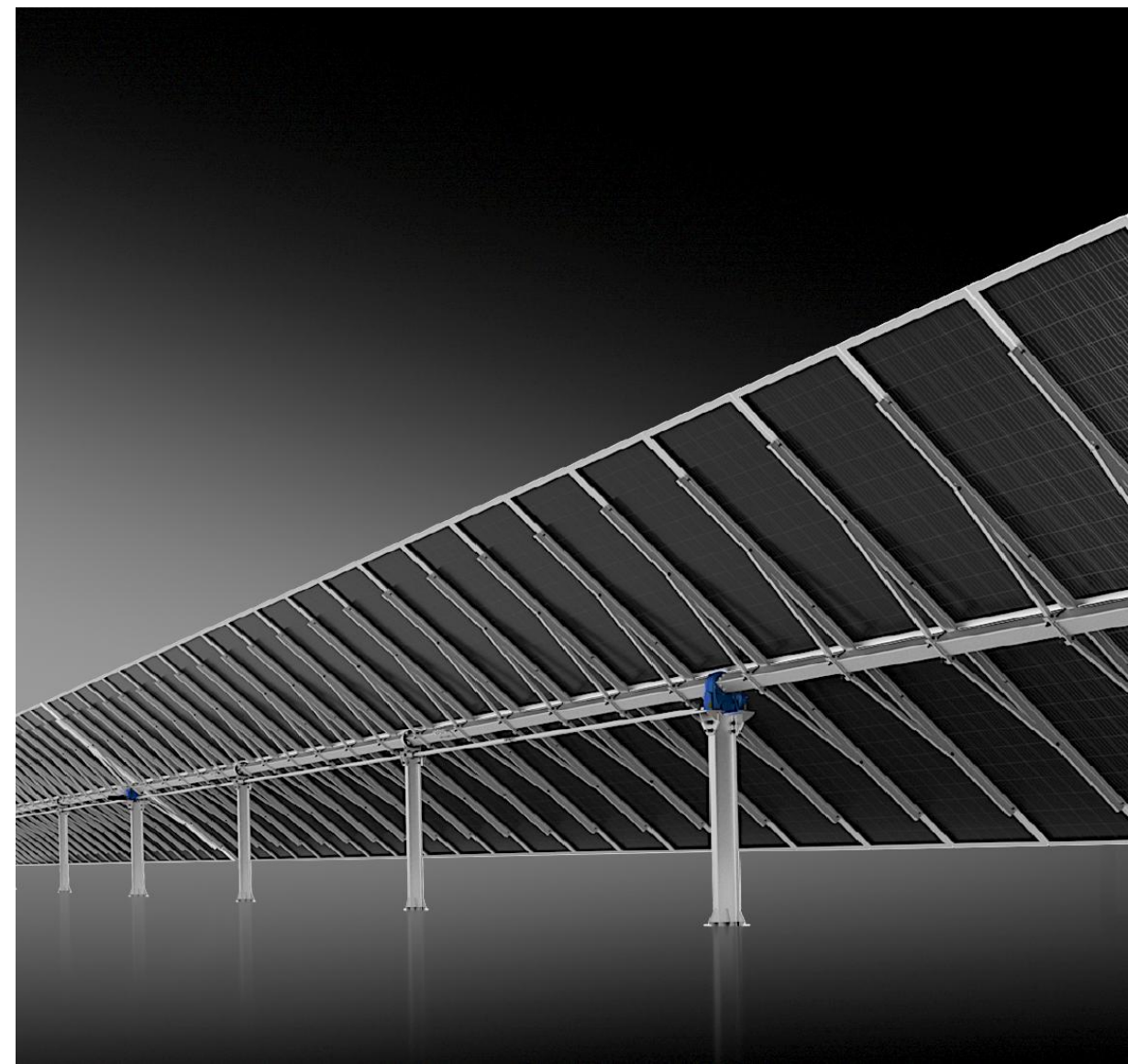
Born To The Sun · Actively Follow The Light



SMART-R Reducer Tracking

2P

Type	Single Row Independent Tracking System(2P)
Angle Range	±45°/±60°
Drive Mode	Rotary Reducer Drive,Multi-point Parallel Drive,DC24V DC Motor
Tracker Capacity	64.8KW(549wp) (2X60)
System Voltage	1000/1500V
Land Use Capability(GCR)	≥35%
Structure Material	Hot-dipped Galvanizing/Magnesium Aluminum Zinc Copper
Power Supply	High-voltage Series Self-power Supply(lithium battery for backup)
Foundation Form	Hammer Pile/Caisson Pile/PHC Pipe Pile
Slope Adaption	20%North-South Direction, No Limits on East-West Direction
Speed of Working wind	65Km/h (18m/s) (3S-gust)
Maximum Resistance Wind Speed	1205Km/h (57m/s) (3S-gust)
Module Type	Compatible with All Modules
Environmental Temperature	-30°C~60°C



SMART-Tracking System

SMART-R Tracking Mounting · Product Advantage

跟踪支架系列
SMART
SERIES 智



Economy

1P

- Higher power generation 15-20%
- Lower installation cost
- Higher IRR 0.5-1%

2P

- Higher power generation
- Small number of installed machines
- Low operation and maintenance costs



Reliability

1P

- Wind tunnel +CFD
- N-S 20% slope adaptability
- Large Angle protection
- The maximum layout is 100m

2P

- Wind tunnel +CFD
- N-S 20% slope adaptability
- Multi-point fixation
- Maximum layout 68m



Intelligentize

1P & 2P

- AI algorithm + Big Data real-time closed-loop
- LORA or Zigbee wireless transmission
- Man-machine interaction control

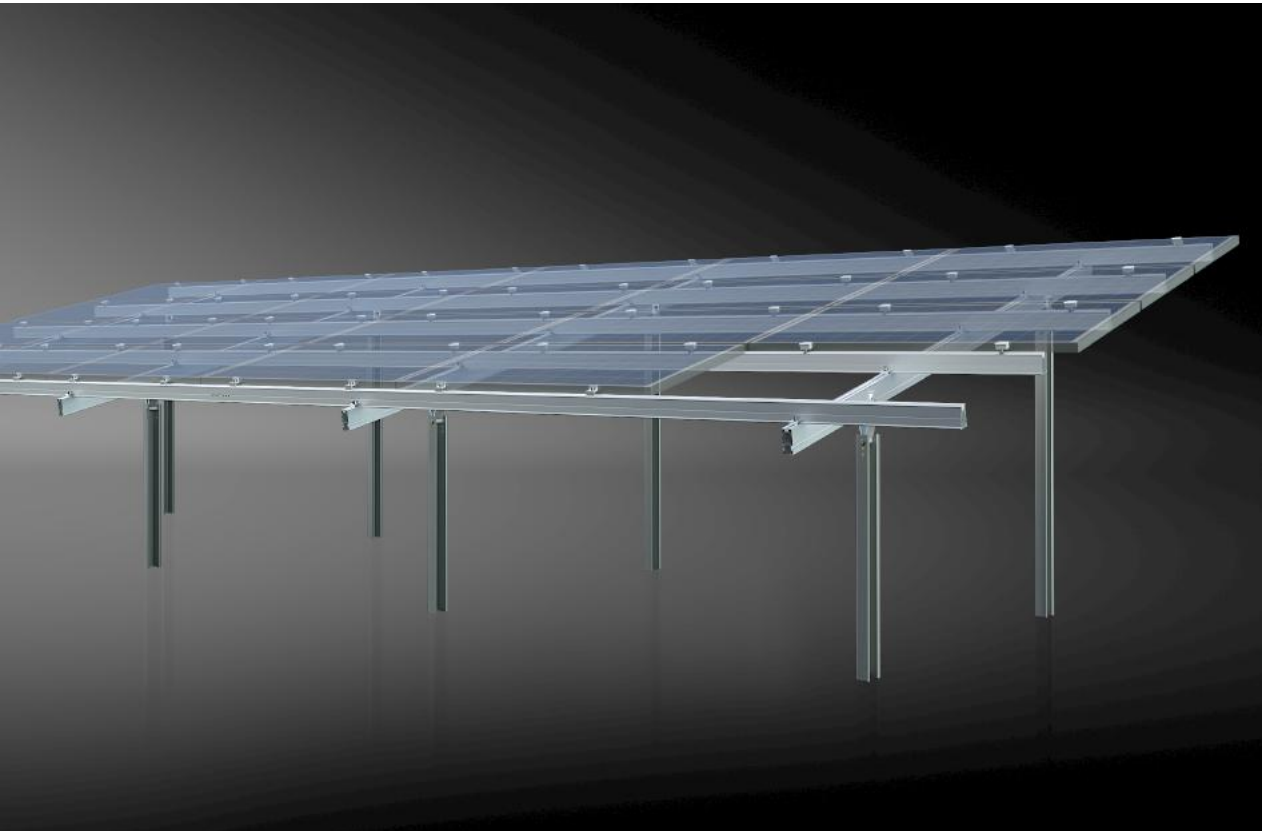
MOUNT FIXED MOUNTING SYSTEMS

Basic Classics·Firm As A Rock



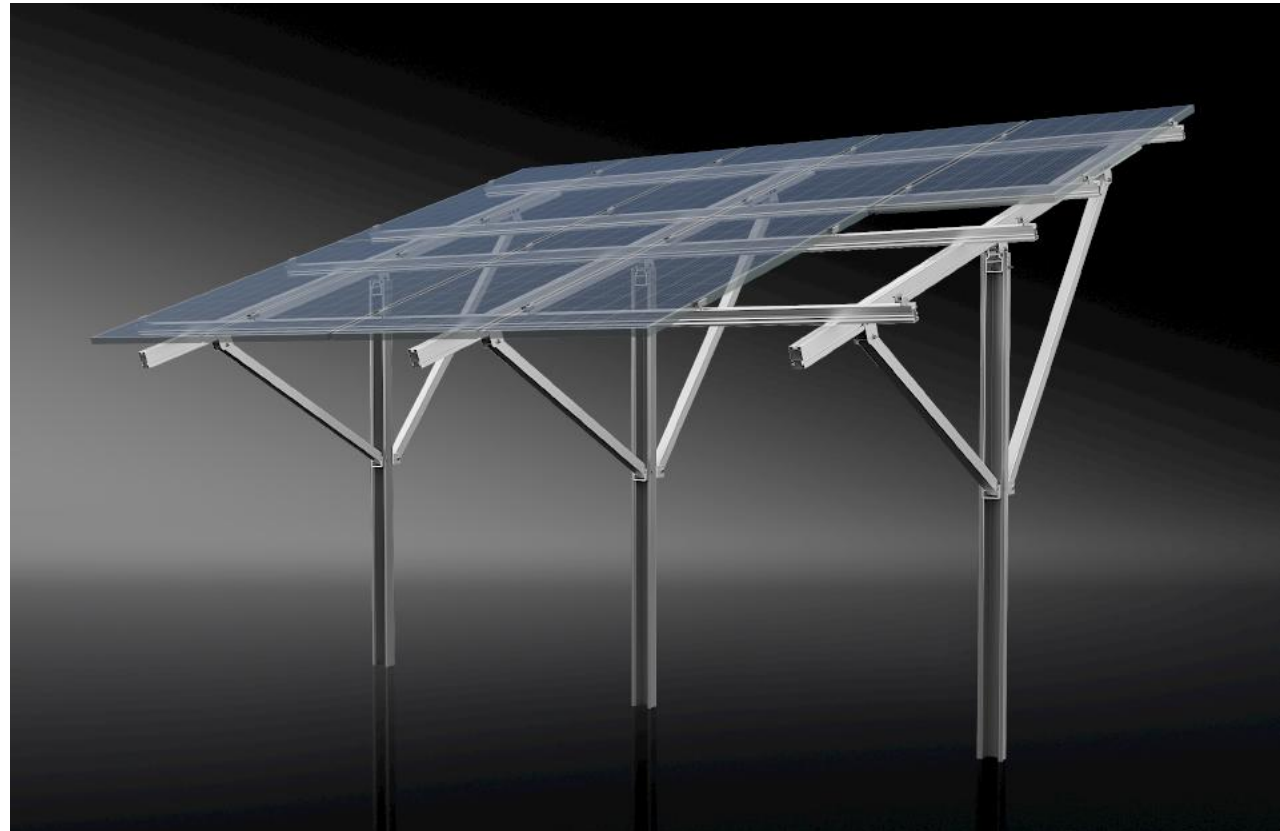
Mountain-fit Ground Mounting

AM-F1 Aluminum Inclined Beam With Multiple Columns



Mountain-fit Ground Mounting

AS-F1X Aluminum Inclined Beam Single Column



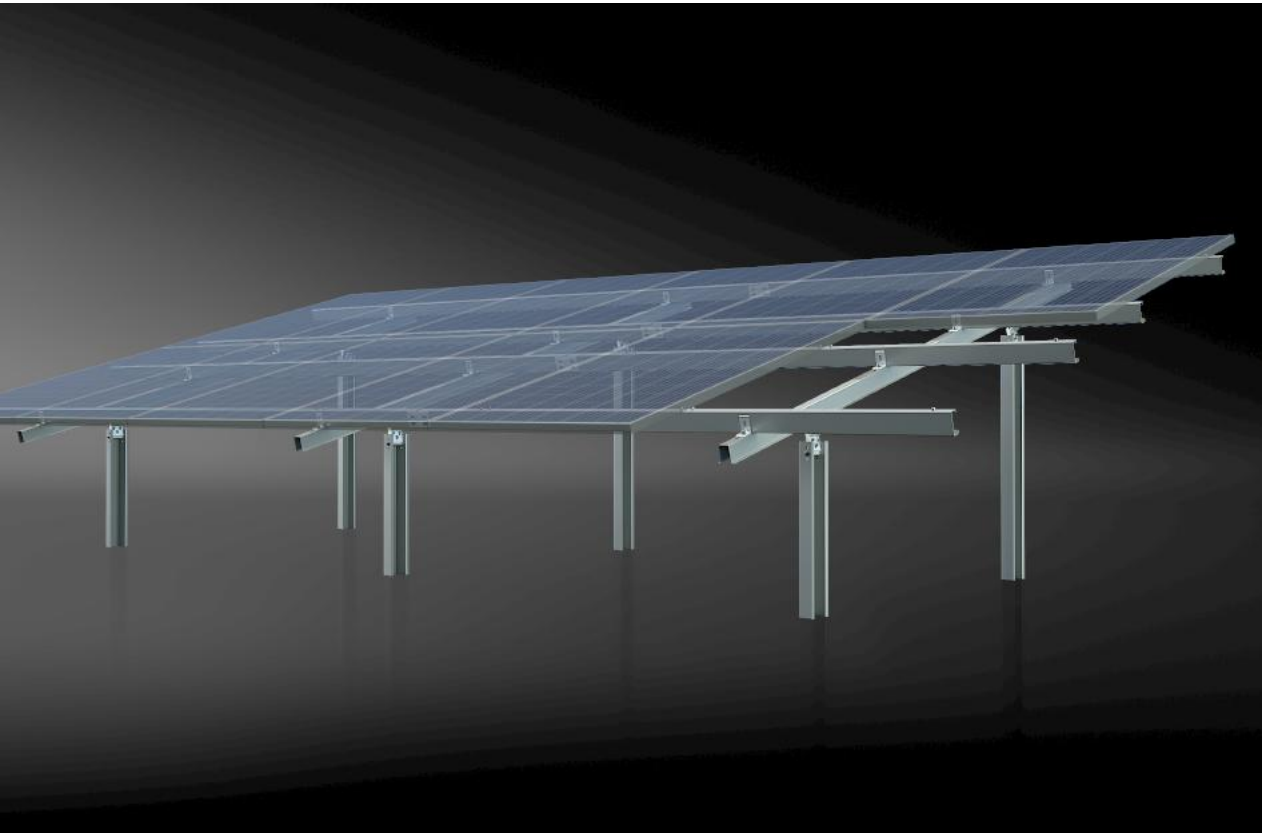
MOUNT FIXED MOUNTING SYSTEMS

Basic Classics·Firm As A Rock



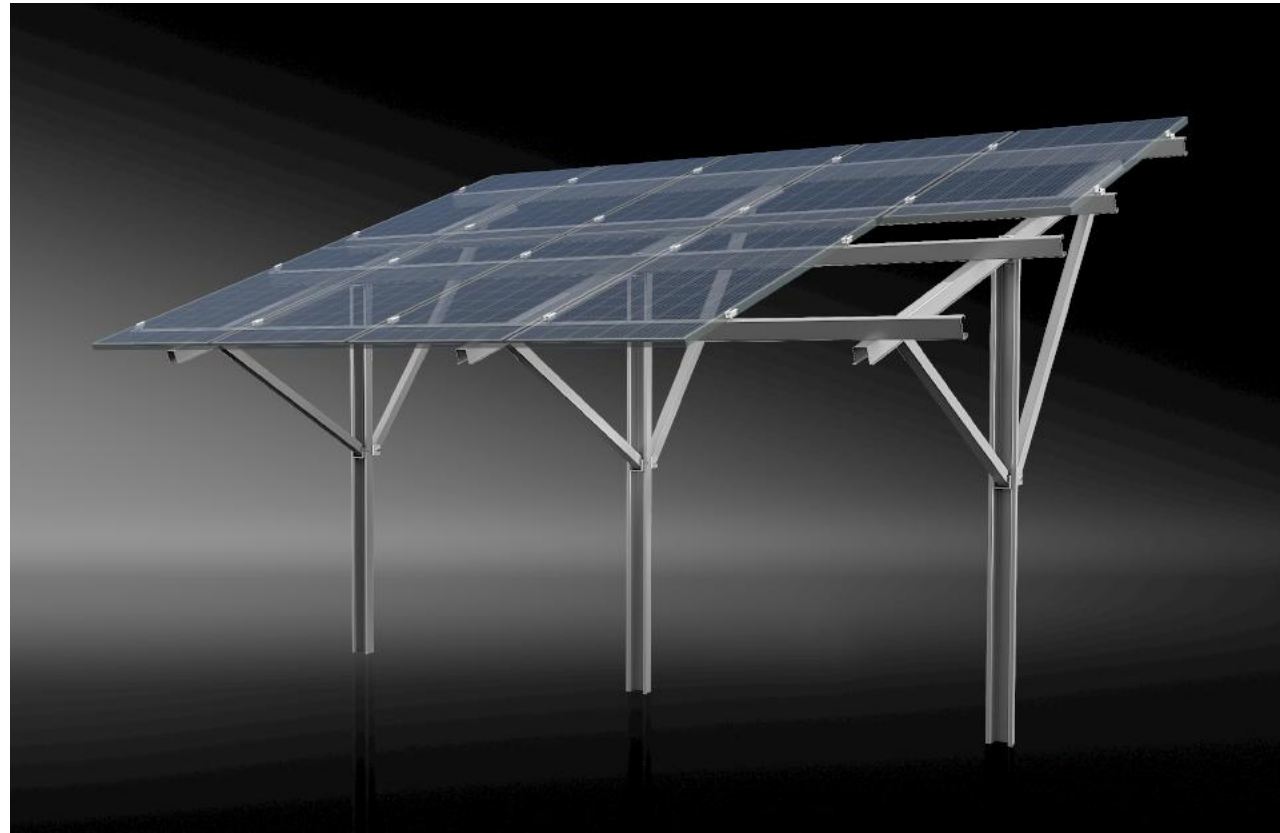
Mountain-fit Ground Mounting

SM-F2 Steel Inclined Beam With Multiple Columns



Mountain-fit Ground Mounting

SM-F2 Steel Inclined Beam Single Column



MOUNT FIXED MOUNTING SYSTEMS

Mountain-fit · Ground Mounting · Product Advantages



Aluminum Mounting System



- High weather resistance
- Beautiful appearance
- Lightweight

Steel Mounting System



- Lower price
- Short delivery cycle
- Excellent mechanical properties

Single Column Mounting System



- Cost advantage
- Improved installation efficiency
- Strong flexibility

Double Column Mounting System



- Stable and reliable structure
- Excellent mechanical properties

ROOF- Rooftop Mounting Series

Waterproof

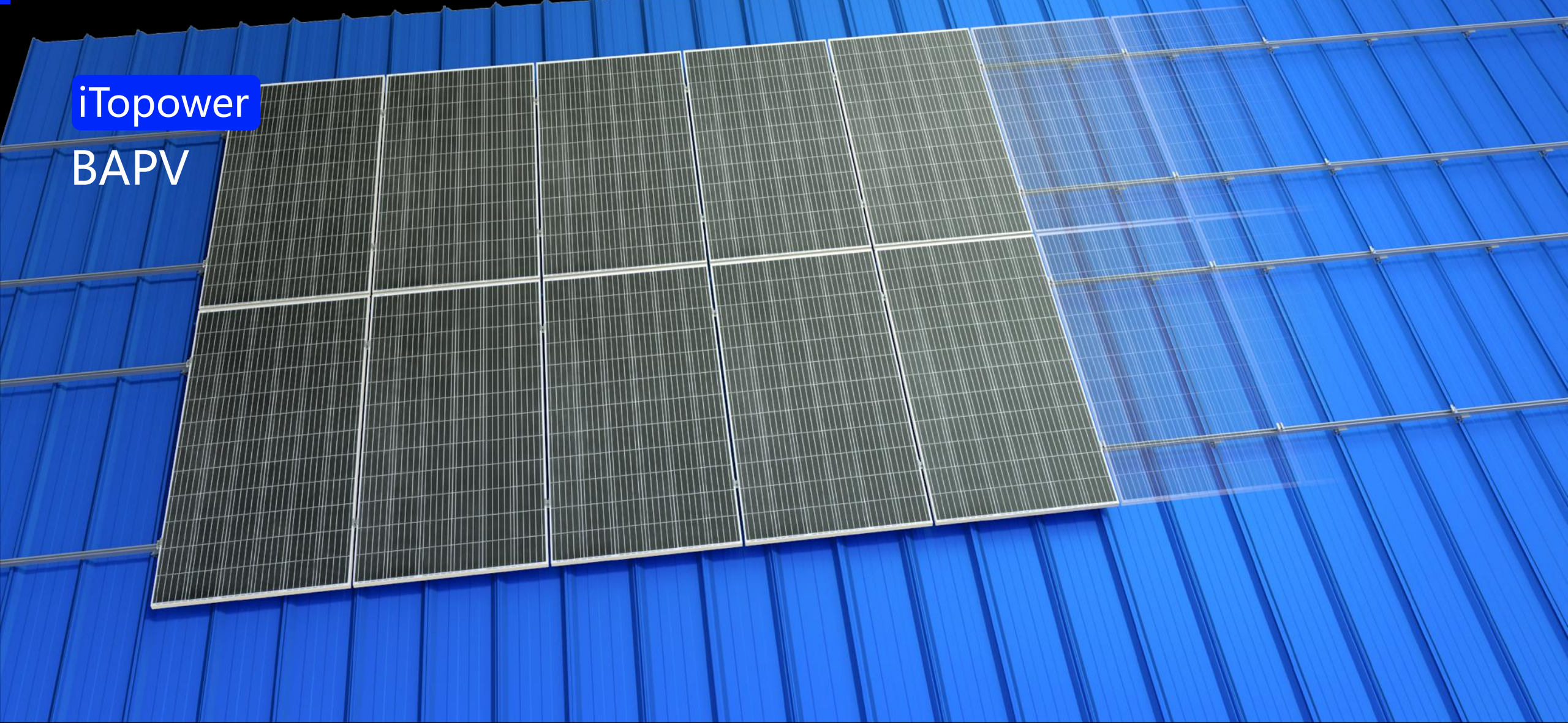
屋面支架系列

ROOF
SERIES

顶

iTopower

BAPV



ROOF-Roof Mounting Series

iTopower BAPV· Product Advantage



Full Series Specifications

Cover the various needs of customers



Standardized Products

Covering more than 85% of the market distributed cases of pitched roof



Lightweight Design

The cost advantage is more significant



Inventive Design

Independent and innovative parts design

ROOF-Rooftop Mounting Series

Save Investment Cost And Have Long-term Benefits

屋面支架系列
ROOF 顶
SERIES

iCapower

BIPV

BIPV Commercial
and Industrial Series

· iCapower-R · iCapower-D

BIPV Car Shed Series


· iCapower-CS · iCapower-CD

ROOF-Rooftop Mounting Series

iCapower Product Advantages

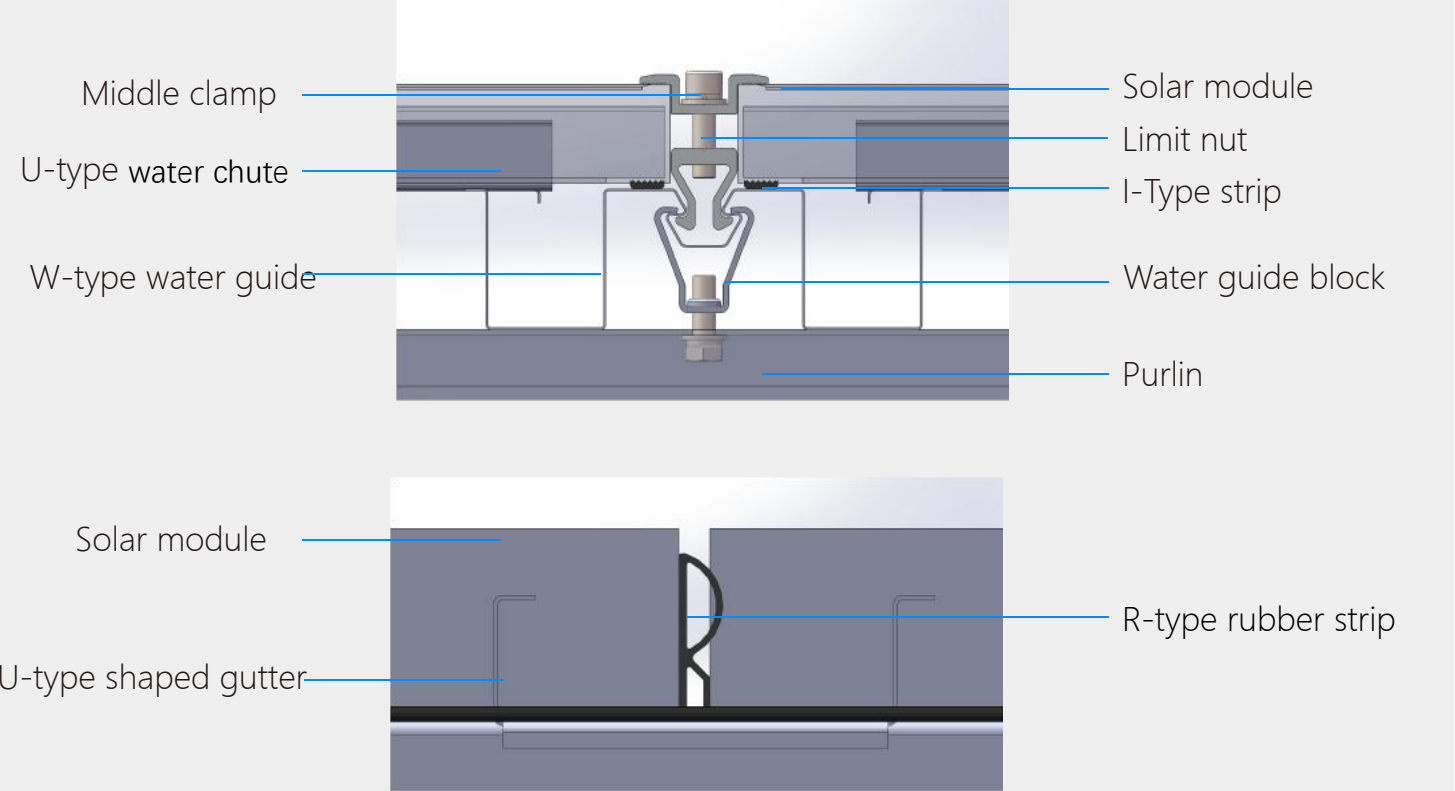
Investment costs compared to other similar products the highest decline

20%

 **Structural Waterproofing**

 **Multiple Patent Support**

 **High Return on Investment**



GRACE-New Technology, New Material Mounting

Long Span · High Clearance

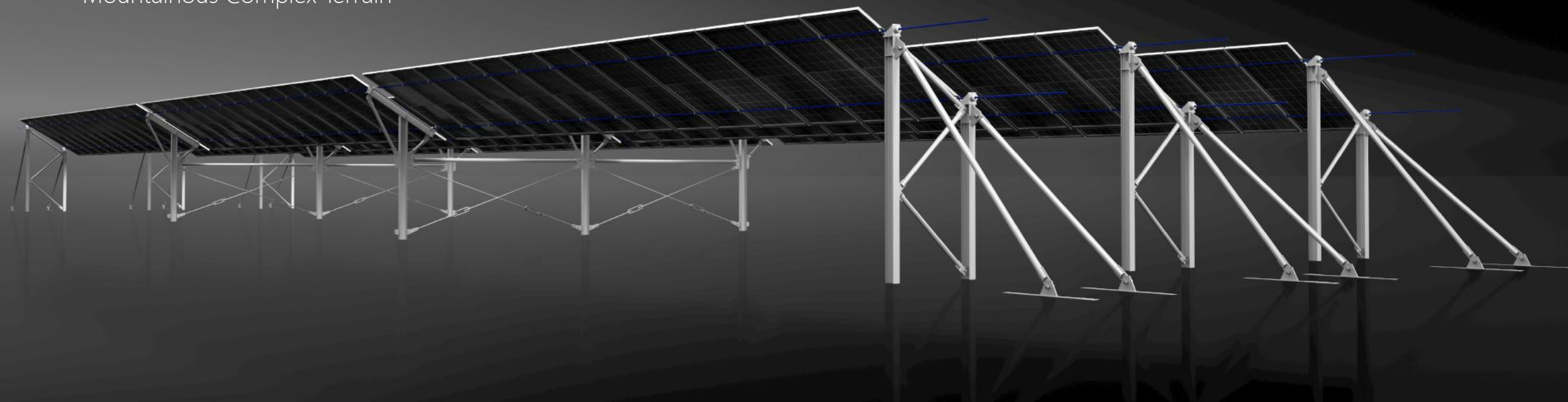
新技术新材料支架系列
GRACE 雅
SERIES

iCross-M

Mountain Flexible Mounting

Main Application

· Mountainous Complex Terrain



GRACE-New Technology, New Material Mounting

Long Span · High Clearance

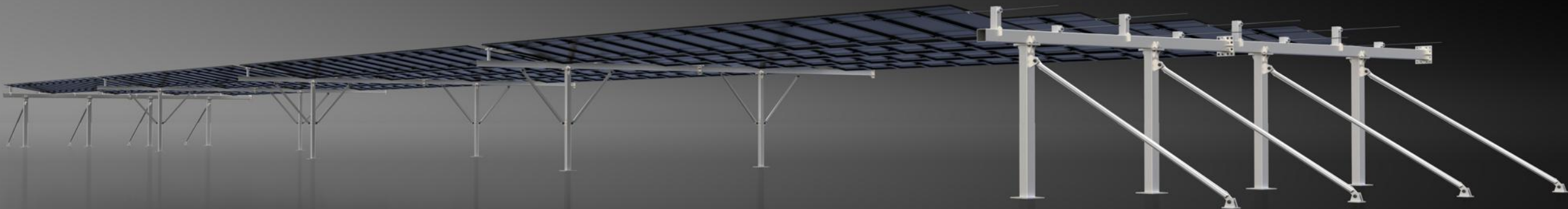
新技术新材料支架系列
GRACE 雅
SERIES

iCross-F

Flat Flexible Mounting

Main Applications

- Complementary agriculture and light
- Complementary fishing and light
- Sewage treatment plant and other cross-building structures



GRACE-New Technology, New Material Mounting iCross Cross Flexible Mounting · Product Advantages

新技术新材料支架系列
GRACE 雅
SERIES

Larger Span

The single span of flexible mounting can be up to 30m
The span of traditional fixed mounting is 4~5m

Lower Cost

The base quantity is reduced by 40% under equal capacity
The amount of steel used in economic arrangement is reduced by 50%

Higher Clearance

Single span clearance of up to 9m
The traditional fixed mounting is less than 2.5m above the ground

Higher Utilization

The conventional arrangement of the traditional mounting is about 30m long ;Flexible mounting can achieve 300m



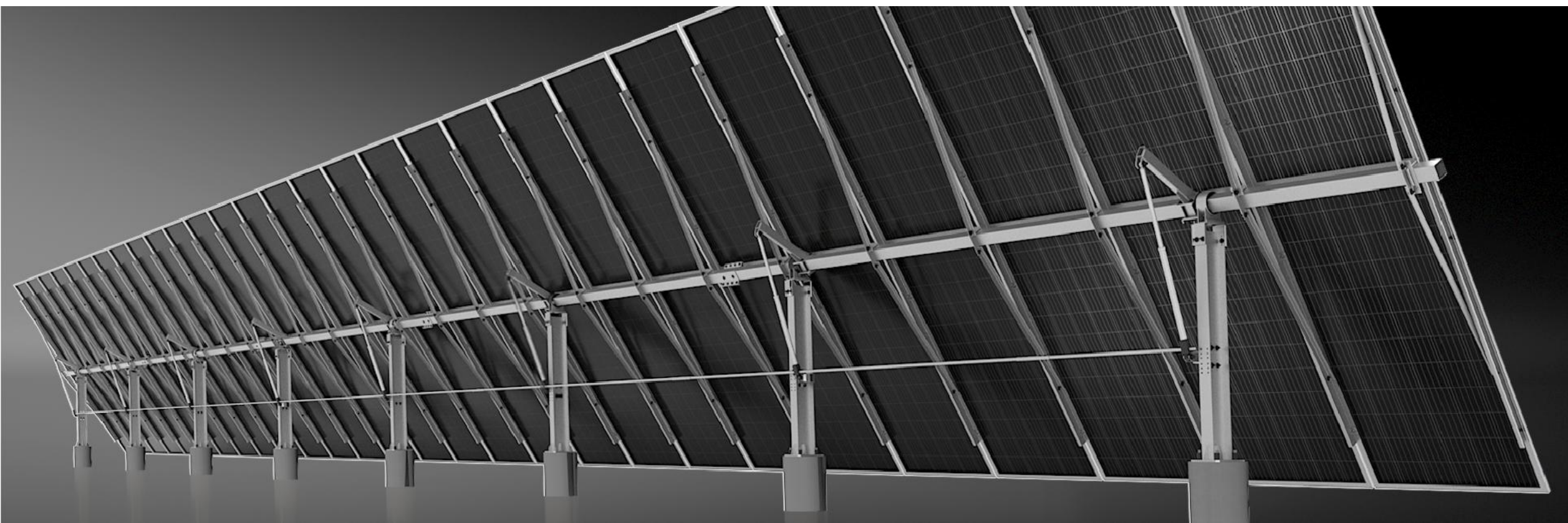
GRACE-New Technology, New Material Mounting

Stepless Adjustable · Own Locking

新技术新材料支架系列
GRACE 雅
SERIES

iCatch

Fixed Adjustable Mounting



GRACE-New Technology, New Material Mounting

iCatch-Chasing The Sun Fixde Adjustable Bracket · Product Advantage



The fixed adjustable ground support adjusts the tilt Angle of the support twice or more times a year according to the height Angle of the sun and the corresponding radiation intensity, so as to increase the radiation amount of the surface of the photovoltaic module, so that the photovoltaic power station can obtain more benefits.

Higher System
Power
Generation

Quick And
Convenient
Adjustment
Ability

Modular Design
Convenience
Installation



GRACE-New Technology, New Material Mounting

Advanced Technology · Strong Corrosion Resistance

iForwards

A-Mazing®



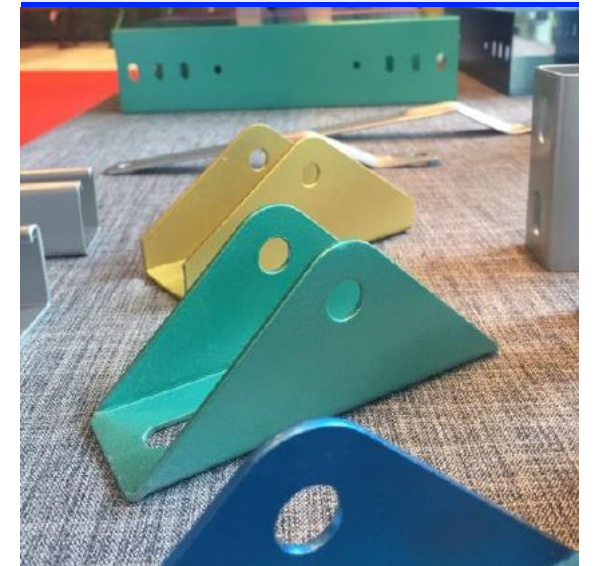
Weathering Steel



Fusion Bonded
Epoxy Coating



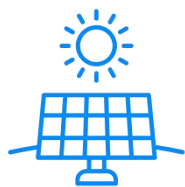
Volatile Corrosion Inhibitor



GRACE-YA New Technology, New Material Mounting

iForwards New Material Mounting · Product Advantages

新技术新材料支架系列
GRACE 雅
SERIES



Longer Life



Lower Cost



Green And Environmental Protection



Adapt To All Kinds Of Harsh Climates

Part 03

Operation System

Production, Research And
Development, Quality, Service
The Advantages Of Supply Chain
Integration Are Highlighted



AKOCME METALS



Multi-base Manufacturing Ensures Stable Production And Supply Chain



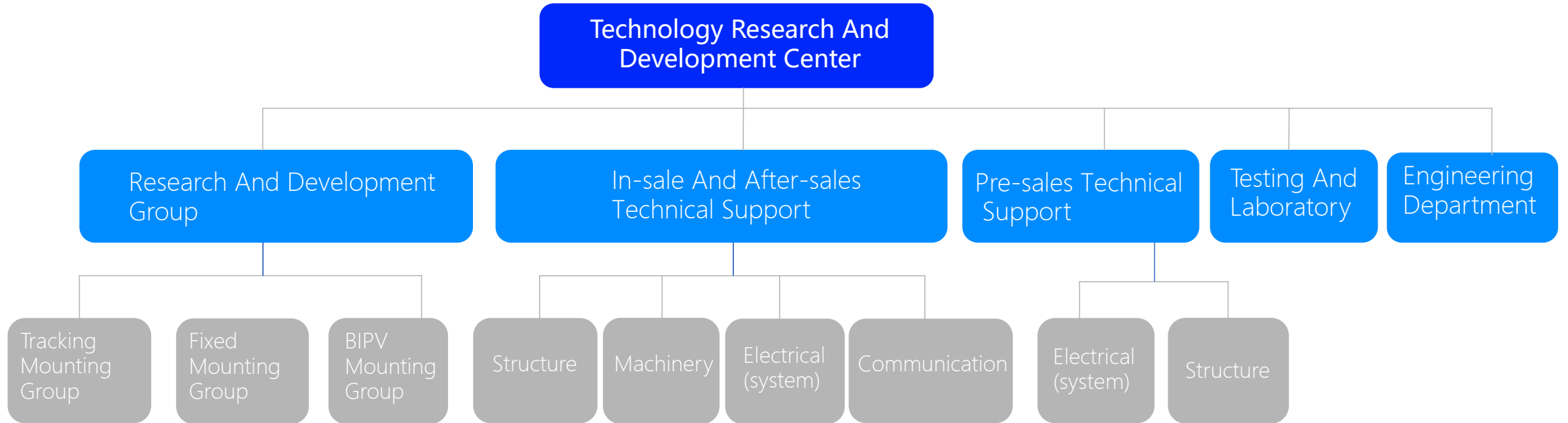
15GW+ 100,000m²+
Annual Capacity Manufacturing Base

More than 100,000 square meters of manufacturing base, annual capacity of more than 15GW, with dozens of various advanced automatic processing and testing equipment. Both scale and advanced, are in the international leading position.

AKOCME METALS



Strong Independent Innovation Technology Research And Development Team

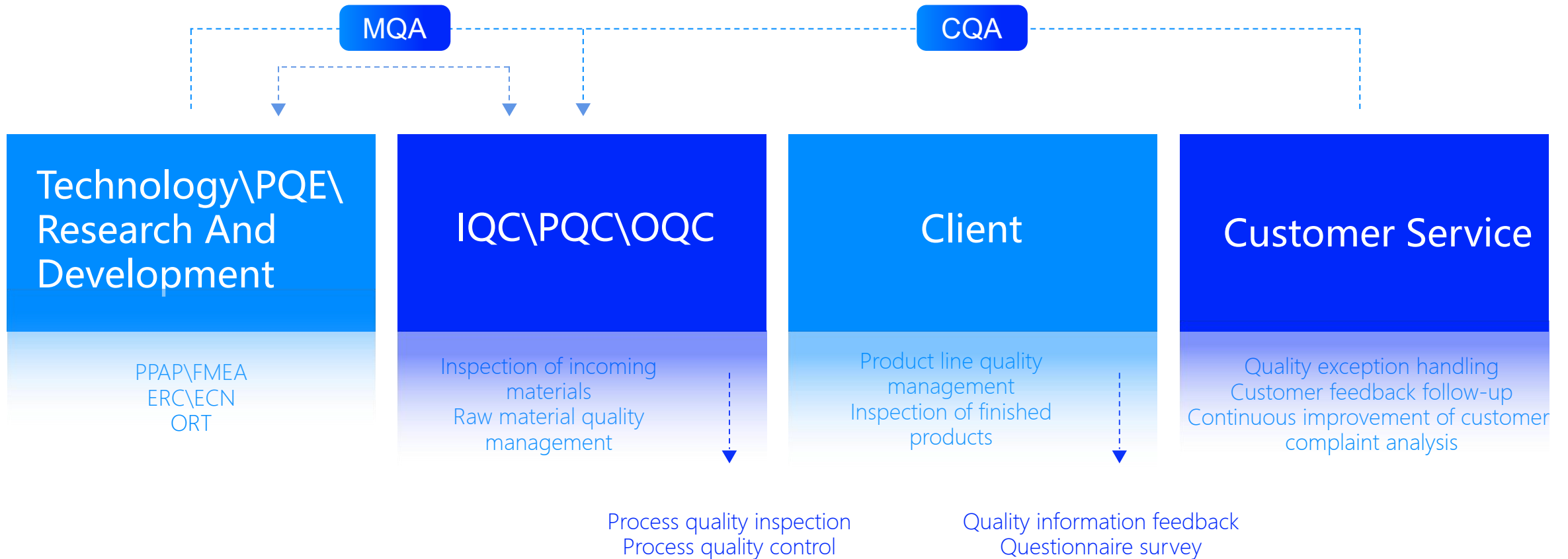


100+ Patents	40+ Staffs	20 Senior Engineers	2 PHD	6 Master	3 Technology R&D Centers (Suzhou, Shanghai, Tangshan)
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AKOCME METALS

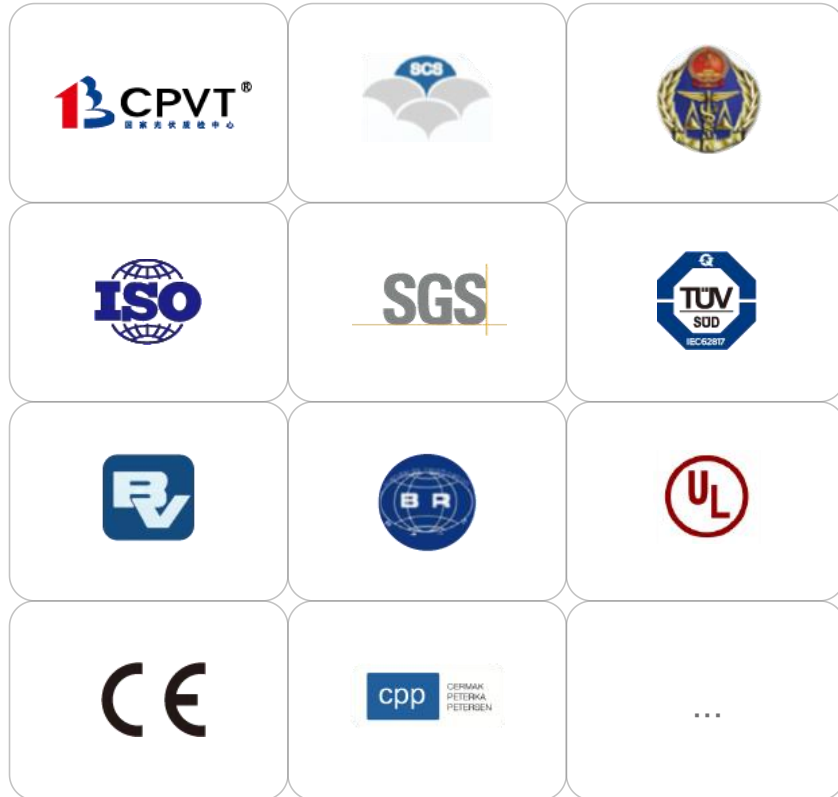


Strict Quality Control Throughout The Process



AKOCME METALS

Authoritative And Comprehensive Product Certification



10 Years Warranty



25 Years Service Life



“ONE FOR ONE” Project Service System



Localization

- More than 80 countries and regions around the world
- Local service network coverage
- 1 hour response, the fastest arrival within 1 day



Customization

- Based on project scenarios
- Customize products according to customer needs



Complete Period

- Systematic design
- Structure optimization
- Professional installation
- More than 25 years of service life guarantee
- Full cycle service

AKOCME METALS

Industry Tier1 Strategic Cooperation Supplier



酒钢集团



唐钢集团
TANGSTELL GROUP



首钢集团
SHOUGANG GROUP



沙钢集团
SHAGANG GROUP



江阴凯迈机械有限公司
Kinematics
Your Smart Torque Technology Partner



经纬支承
JINGWEI SLEWING RING



江阴尚驰



东明



腾达科技
TENGDA TECHNOLOGY



AOFENG 奥峰



中国科学院沈阳自动化研究所
SHENYANG INSTITUTE OF AUTOMATION CHINESE ACADEMY OF SCIENCES

AKOCME METALS

Strategic Cooperative Customers



 中国华电 CHD	 国家电投 SPIC	 中国三峡 China Three Gorges Corporation	 華潤電力 CR POWER	 中核集团 CNNC	 国家能源集团 CHN ENERGY	 特变电工
 中国电建 POWERCHINA	 中国能建 ENERGY CHINA	 中国中铁 CREC	 中國建築 CHINA STATE CONSTRUCTION	 中国华能集团公司 CHINA HUANENG GROUP	 创维	 TRUNGNAM Group
 中国建材	 国机集团 SINOMACH	 安能ane 用安能 发好货	 中国大唐集团公司 China Datang Corporation	 正泰	 友達光電 AUOptronics	 MORI
 SHARP	 KYOCERA 京瓷	 SUMITOMO 住友工程機械	 阳光电源 SUNGROW	 信義能源	 VENA ENERGY	 CleanTech GLOBAL SUSTAINABLE
 寶晶能源 INA ENERGY CORP	 NIZAM ENERGY	 iAccess	...			

AKCOME METALS

Global Case Distribution



ASIA	Capacity MW
Vietnam	2562
Japan	5480
Taiwan(China)	1000
Philippines	420
Bangladesh	40
South Korea	150
Malaysia	200
Myanmar	50
Thailand	200
Pakistan	170
India	200

European	Capacity MW
Portugal	196
Ukraine	461

America	Capacity MW
Brazil	186
Chile	50

African	Capacity MW
Kenya	90
Ghana	50



30GW+

Global Case
Total Capacity

Part 04
Project Reference

Part Of The Global
Excellent Cases



AKCOME METALS

Intelligent Mounting System, Service



China Republic 100MW Tracking + Ground Mounting



272MW Ground Mounting In Taiwan, China



20MW Roof Mounting In Jiangxi, China



100MW Ground Mounting In Xizang, China

AKCOME METALS

Intelligent Mounting System, Service



7MW Flexible Mounting In Guizhou, China



150MW Flexible Mounting In Hainan, China

AKCOME METALS

Intelligent Mounting System, Service



556MW
Ground Mounting
In Vietnam



189MW Ground Mounting In Ukraine



100MW Ground Mounting In Pakistan



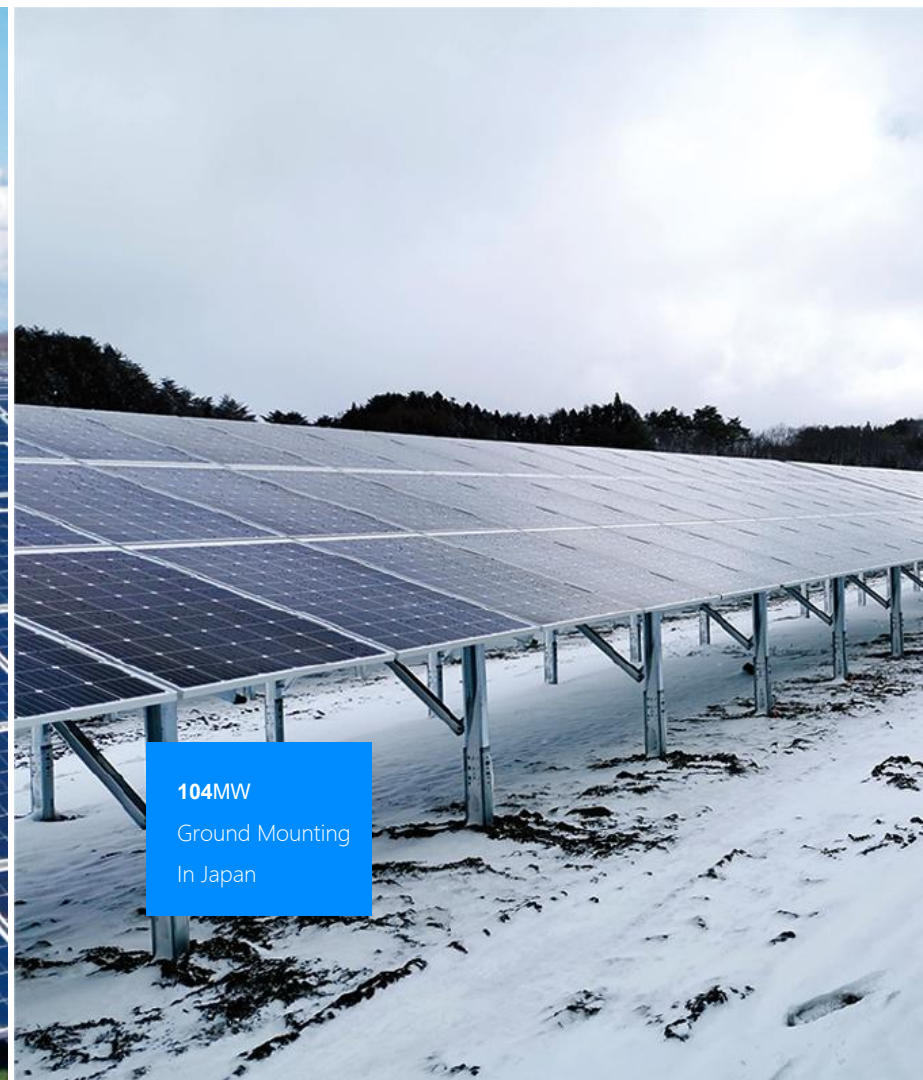
93MW Ground Mounting In South Korea

AKCOME METALS

Intelligent Mounting System, Service



43MW
New Material
Mounting In Ukraine



104MW
Ground Mounting
In Japan

THANKS!



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INTELLIGENT MOUNTING SYSTEM CREATIVE GAINS ON NEW VALUE OF PV

