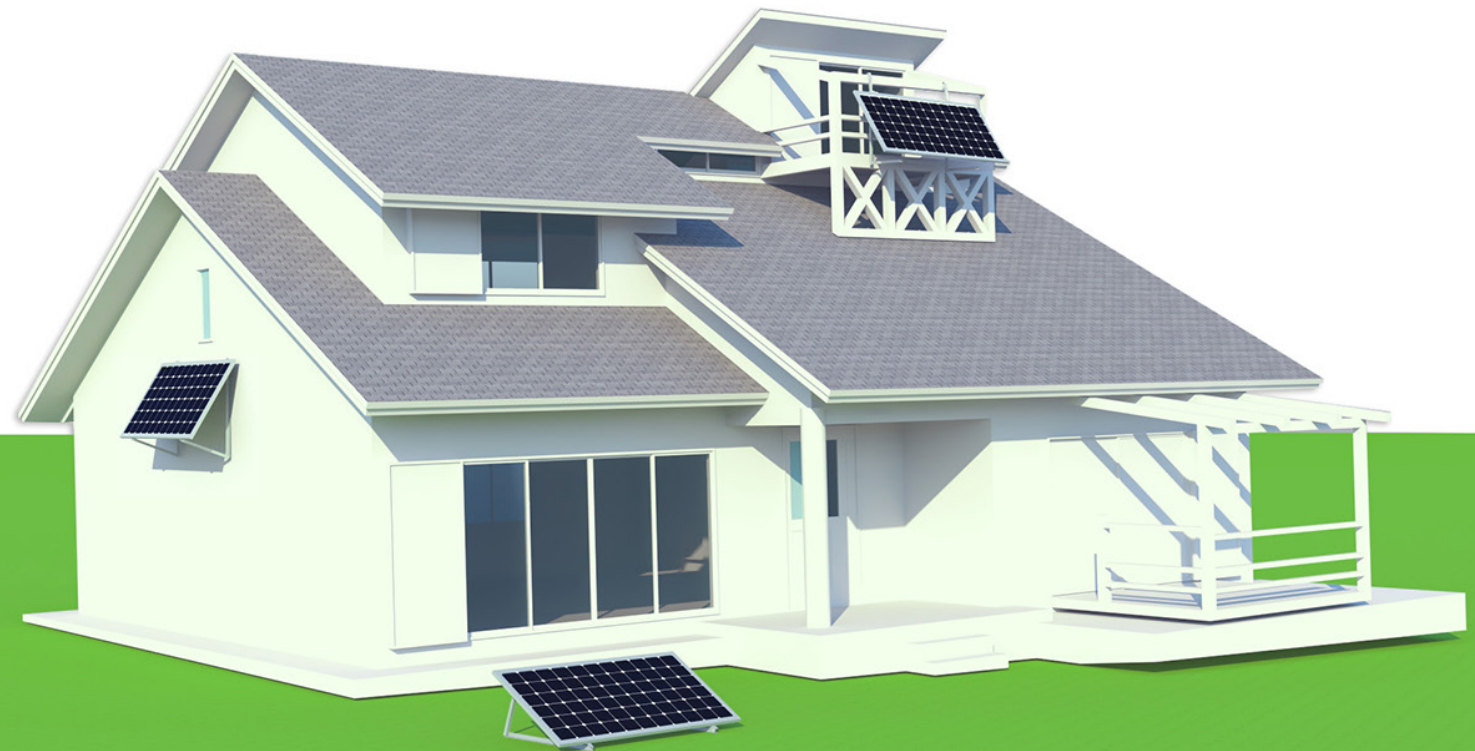# Balcony Solar Power System

Suitable for
- Balcony
- Wall
- Flat area

All-In-One

Ready-to-use

Unlimited Installation Scenarios

Plug and Play

12 YEAR WARRANTY

12 Years Warranty

Balcony triangle bracket

SS-MBW-001

Commonly-sized panels oriented

Description

This bracket can be simply load on the balcony flooring. It can also be mounted on other flat area and walls with expansion bolts, or with cement ballast.

Features

·Basic but strong structure
·Plug and play solar system for daily use
·Suitable for commonly-sized panels
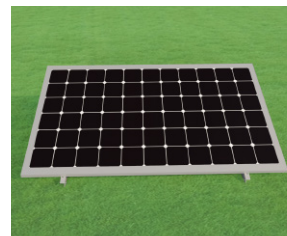·Highly pre-assembled and quick installation

## Accessories

Application

Wall	Flat area

Technical datasheet

Installation site	Wall, flat area
Tilt angle	36deg or DIY
Material	AL6005-T5&SUS304
Color	Natural
Treatment	Anodizing
Solar panel	Framed
Panel orientation	Landscape
Length of panel	1400-2400mm
Width of panel	700-1300mm
Thinckness of panel	No limit
Warranty	12 years
Service life	25 years

Railing adjustable triangle bracket

SS-MBW-002
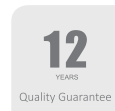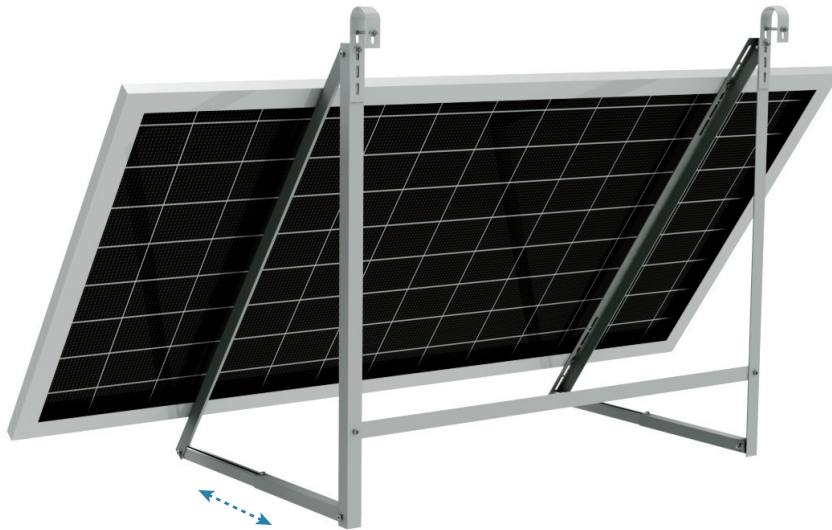
Resale Packing · Tilt angle adjustable · 12 YEARS Quality Guarantee

Description

This bracket can be simply load on the balcony flooring or be attached to balcony railings with curved hooks. It can also be mounted on other flat area and walls with expansion bolts, or with cement ballast.

Features

· Strong but angle adjustable structure
· Little extra space required
· No damage to the building structure
· Suitable for commonly-sized panels
· Highly pre-assembled and quick installation

Accessories
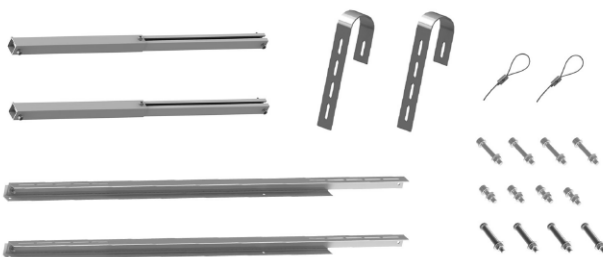
Application

| Balcony railing | Wall | Flat area |

Technical datasheet

Installation site	Balcony, wall, flat area
Adjustable tilt	18-36deg
Material	AL6005-T5&SUS304
Color	Natural
Treatment	Anodizing
Solar panel	Framed
Panel orientation	Landscape
Length of panel	1400-2400mm
Width of panel	700-1300mm
Thinckness of panel	No limit
Warranty	12 years
Service life	25 years

Railing adjustable pillar bracket

SS-MBW-003
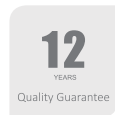
Resale Packing   Tilt angle adjustable   **12** YEARS Quality Guarantee

Description

This bracket can be simply load on the balcony flooring or be attached to balcony railings with curved hooks. It can also be mounted on other flat area and walls with expansion bolts, or with cement ballast.

Features

· Tilt angle adjustable structure
· Little extra space required
· No damage to the building structure
· Suitable for commonly-sized panels
· Highly pre-assembled and quick installation

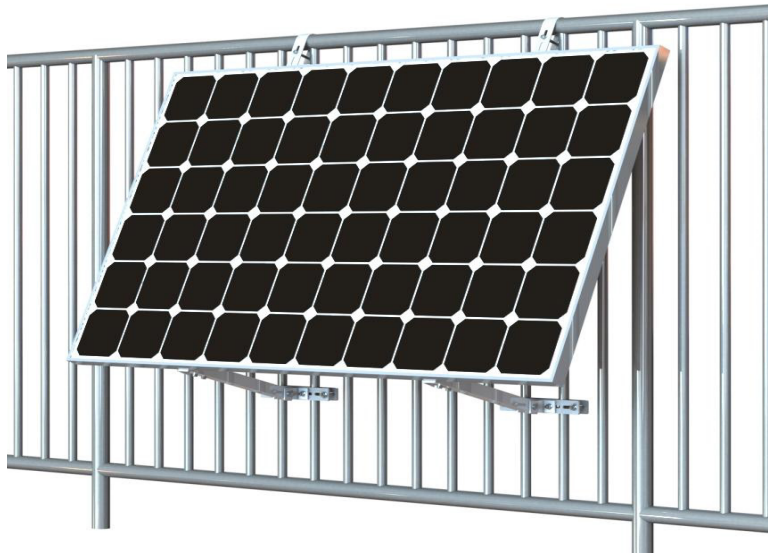## Accessories

Application

Balcony railing   Balcony with wall

Technical datasheet

Installation site	Balcony
Title angle	15-30deg
Material	AL6005-T5&SUS304
Color	Natural
Treatment	Anodizing
Solar panel	Framed
Panel orientation	Landscape
Length of panel	1400-2400mm
Width of panel	700-1300mm
Thinckness of panel	No limit
Warranty	12 years
Service life	25 years

Universal 3-way adjustable bracket

SS-MBW-004
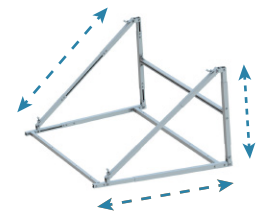
3-way adjustable
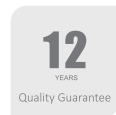
Resale Packing

Tilt angle adjustable

12 YEARS
Quality Guarantee

Description

This bracket can be simply load on the balcony flooring. It can also be mounted on other flat area and walls with expansion bolts, or with cement ballast.

Features

· 3-way adjustable multi-functional structure
· No damage to the building structure
· Suitable for commonly-sized panels
· Highly pre-assembled and convenient installation

Accessories

Application

Balcony   Flat area

Technical datasheet

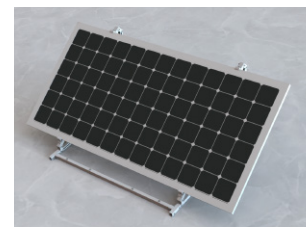| Installation site	Balcony, flat area, wall
Title angle	30-43deg
Material	AL6005-T5&SUS304
Color	Natural
Treatment	Anodizing
Solar panel	Framed
Panel orientation	Landscape
Length of panel	1400-2400mm
Width of panel	700-1300mm
Thickness of panel	30-45mm
Warranty	12 years
Service life	25 years

Microinverter

SS-350
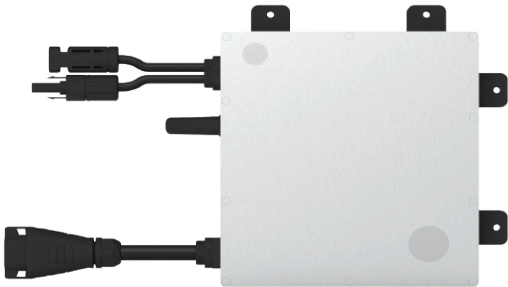
SS-600
SS-800

Features

Plug and play	Plug and play, faster installation
High-powered	High-powered microinverter for 2-in-1with output power up to 1000 VA
Safety guarantee	Safer for rooftop solar stations with integrated rapid shutdown functionality and isolated transformer
Technical compliance	With reactive power control, compliant with EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, etc.
High efficiency	Independent MPPT and monitoring ensure greaterenergy harvest and easier maintenance
Communication optimization	Sub-1G wireless solution allows stable communication in commercial and industrial settings

Technical datasheet

Input Data (DC)	SS-350	SS-600	SS-800
Commonlyused module power(W)	280 to 470+	240 to 405+	320 to 540+
Maximum input voltage(M)	60	60	65
MPPTvoltage range(V)	16-60	16-60	
Start-up voltage(M)	22	22	
Max input current (A)	13	2x12	2x14
Max input short circuit current (A)	20	2x20	2x25
Number of MPPTs	1	2	
Number of nputs per MPPT	1	1	
Output Data (AC)			
Rated output power(VA)	350	600	800
Rated output current (A)	1.52	2.61	3.48
Nominal output voltage/range(M)	230/180~275	230/180~275	
Nominal frequency/range(Hz)'	50/45-55	50/45-55	
Power factor (adjustable)	>0.99 default 0.8 leading….0.8 lagging	>0.99 default 0.8 leading….0.8 lagging	
Total harmonic distortion	< 3%	< 3%	
Max units per 12 AWG branch²	13	12	9
Max units per 10 AWG branch²	21	7	5
Mechanical Data			
Ambient temperature range(℃)	-40 to +65	-40 to +65	
Storage temperature range(℃)	-40 to +85	-40 to +85	
Dimensions(WxH*D[mm])	184.5x204.5x26	261x180x35.1	
Weight(kg)	1.71	3.2	
Enclosure rating	Outdoor-IP67(NEMA 6)	Outdoor-IP67(NEMA 6)	

Project Case

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