

YIJIA

Balcony Solar Mounting System



Technical Parameters

System Name	Balcony Solar Mounting System	Design Standard	Euro Code/EN1991/1993/1994,BS 6399 ,ASCE 7-10
Installation Site	Balcony		International Building Code IBC 2009
Installation Base	Metal Railings,Wall ,Concrete Roof		California Building Code CBC 2010
Mounting Angle	10°-30°	Material	Steel & AL6005-T5
Wind Load	≤30m/s	Fastener	SUS304
Snow Load	≤1.0KM/m ²	Small Components	AL6005-T5
Applicable Solar Module	Framed	Color	Natural Silver or Customized
Panel Layout	Horizontal	Warranty	10-Year Warranty

Overview

Balcony Solar Mounting System is a Solar Mounting System Product installed on balcony railings, which can easily realize the construction of photovoltaic power plants on the balcony. The system is all bolted and fixed, eliminating the need for welding and drilling during installation. The unique telescopic tube support leg design allows the angle of the panel to be adjusted at any time.



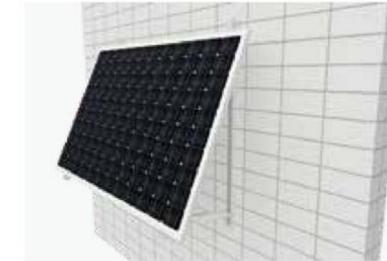
Advantages

- Quick installation**
Installation and removal are very simple and fast, 1-2 people can complete the installation.
- Adjustable angle**
The tilt angle of the panels can be flexibly adjusted according to the installation site to obtain the best power generation efficiency, with a maximum tilt angle of 30°.
- No welding required**
The system is all bolted and fixed, eliminating the need for welding and drilling during installation.
- Stable and reliable**
Optimized structural design and material selection ensure the strength and stability of the system, suitable for a variety of different climatic environments.

Structure



1 Installed on balcony with curved hook



2 Installed on wall with expansion bolts



3 Installed on concrete roof with expansion bolts

Component Details



1 Curved Hook
Material: Zn-Al-Mg Coating Steel



2 U-shaped Hoop
Material: Zn-Al-Mg Coating Steel



3 Longitudinal Beam H50
Material: Zn-Al-Mg Coating Steel



4 30*30 Square Tube
Material: Zn-Al-Mg Coating Steel



5 U-shaped Base Beam H50
Material: Zn-Al-Mg Coating Steel



6 Pro-U shaped Adjustment Tube
Material: Zn-Al-Mg Coating Steel

Installation Guide



1 Install the tripod on the ground



2 Adjust the preset Angle



3 Lock the part of the Curved Hook



4 Find the 30*30 square tube also placed under the base beam of the tripod



5 Repeat the above steps to complete the installation of another set of tripod



6 Install the panel