

All aluminum system Architectural aesthetics

Beauty is Power

1



Light weight

Only 30% of the weight of carbon steel BIPV

2



Material Strength

Yield strength of 270 MPa, exceeding the national standard by nearly 60% compared to 6063 aluminium

3



Wind Resistance Strength

Withstand typhoon up to class 14

4



Corrosion Resistance Performance

Better anti-corrosion than carbon steel and MAC steel under the same condition

5



Long service life

Equal to the service life of power plants and buildings

6



Economical and environmentally friendly

100% recyclable

2022

「A GREAT ROOF WILL SHINE」

Taiyang Roof

All Aluminum BIPV System Solution

20%+
Material strength

100%
Waterproof

50%
More efficient

20%
Lower cost

50+
Years service life



HEADQUARTER

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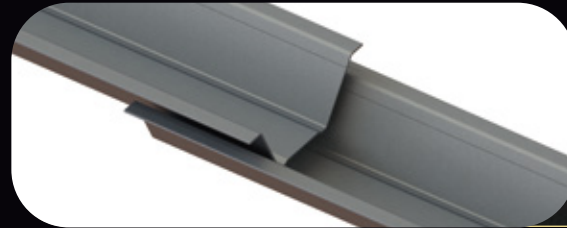
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Superior waterproof performance

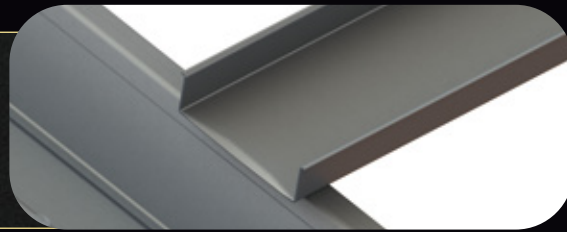
Withstand 250mm daily rainfall



Patented V-shaped gutter
Simple installation with excellent waterproof performance

2

Patented U-shaped gutter
Patented downward drainage design to prevent the backflow of sink water



Patented waterproof cover
Drainage from the external surface

4

Patent reversed T shape adhesive tape
Effectively against vibration, preventing problems caused by thermal expansion and contraction deformation



Ridge cover
Prevent water leakage at the top of mansard slopes

6

Sealed boundaries
Connect the gaps between the panels and building, achieving 100% waterproof



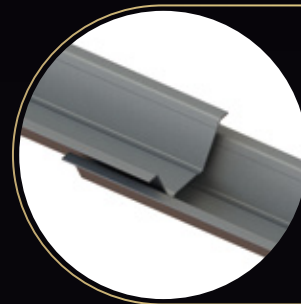
Simple installation

Placing, Clamping, Buckling

INSPIRATION

From the very start of product design, Antaisolar considered installation convenience as one of the most important qualities of BIPV. The waterproof installation part can be summed up in three words: "placing, clamping, buckling". Compared with the traditional installation method, Taiyang Roof reduces costs by 20%.

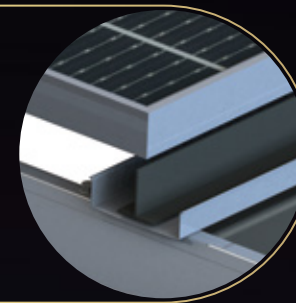
PLACING



Stack V-shaped gutters
Fewer consumption and easier installation than the "end-to-end" connection

CLAMPING

Press to fix the ridge covers
Nail-free installation



BUCKLING



Snap-on waterproof covers
Different with the traditional installation method

Hassle-free O&M

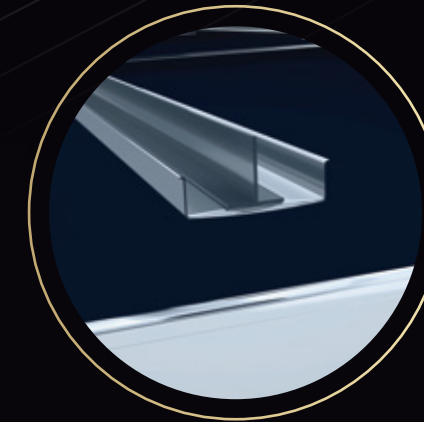
Minimum O&M makes maximum efficiency

INSPIRATION

Once delivered, the BIPV system shall be used for at least 25 years. Antaisolar adopts the concept that "Minimum O&M makes maximum efficiency", dedicates to reducing the possibility of product damage while designing, basically making Taiyang Roof maintenance-free.

Preventive O&M

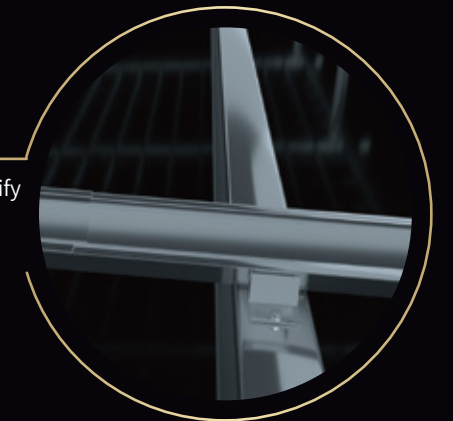
Maintenance-free components decrease the possibility of potential damage



2

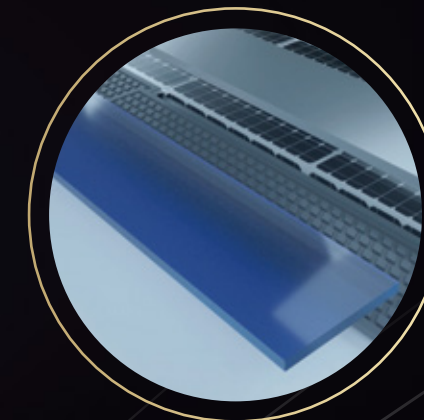
Lightweight O&M

Adopt innovative structural design to simplify the disassembling of components



Customized O&M

Alternative O&M channels suit various requirements



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