



Solar Roof tiles

Installation Notes



CONTENT

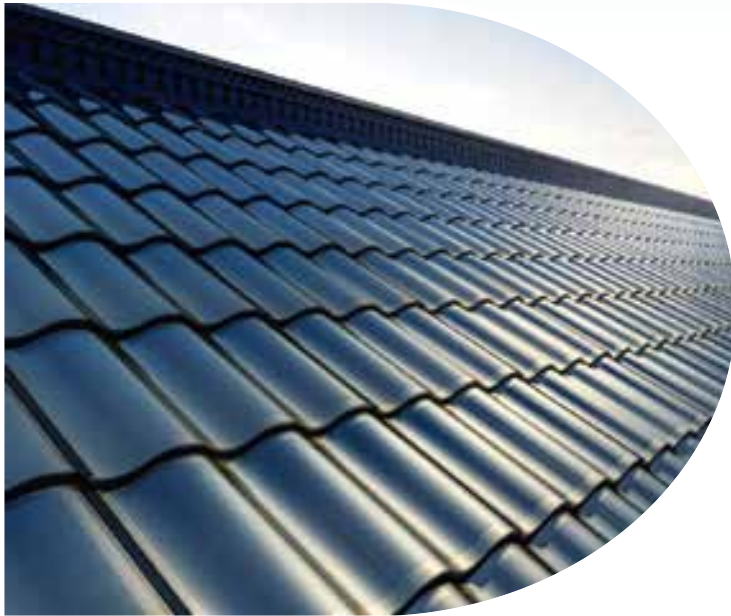


01

Curved Solar Roof Tiles

02

**Product
Characteristic**



PART 01

Solar Tiles *Description*



Curved Solar Tile

Originated from light, casting beauty
Solar Power - Combining Technology with Beauty





Curved Solar Tile

Class A. Fire Protection
Class F. Wind Protection
Extreme craftsmanship achieves high quality

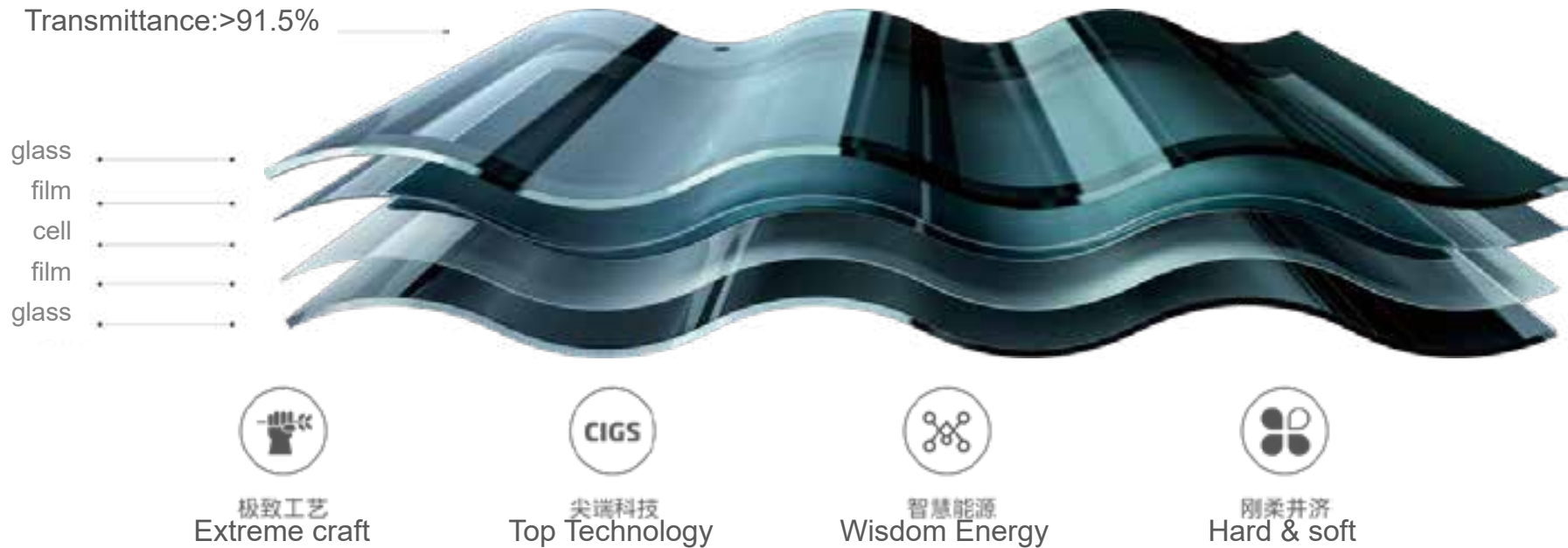




Curved Solar Tile

' Advanced Technology '

Integrate solar film cells with traditional roof tiles





Curved Solar Tile

Curved Solar Tile with MiaSolé cell

Integrate modern technology and inherit classic architecture. The unique design and size of the three arches have been reviewed by architectural experts, complementing architectural aesthetics and providing customers with more architectural solutions.



Structure: Double-sided glass

Power: 30W

Power/m²: **103W**

Weight: 6.5Kg

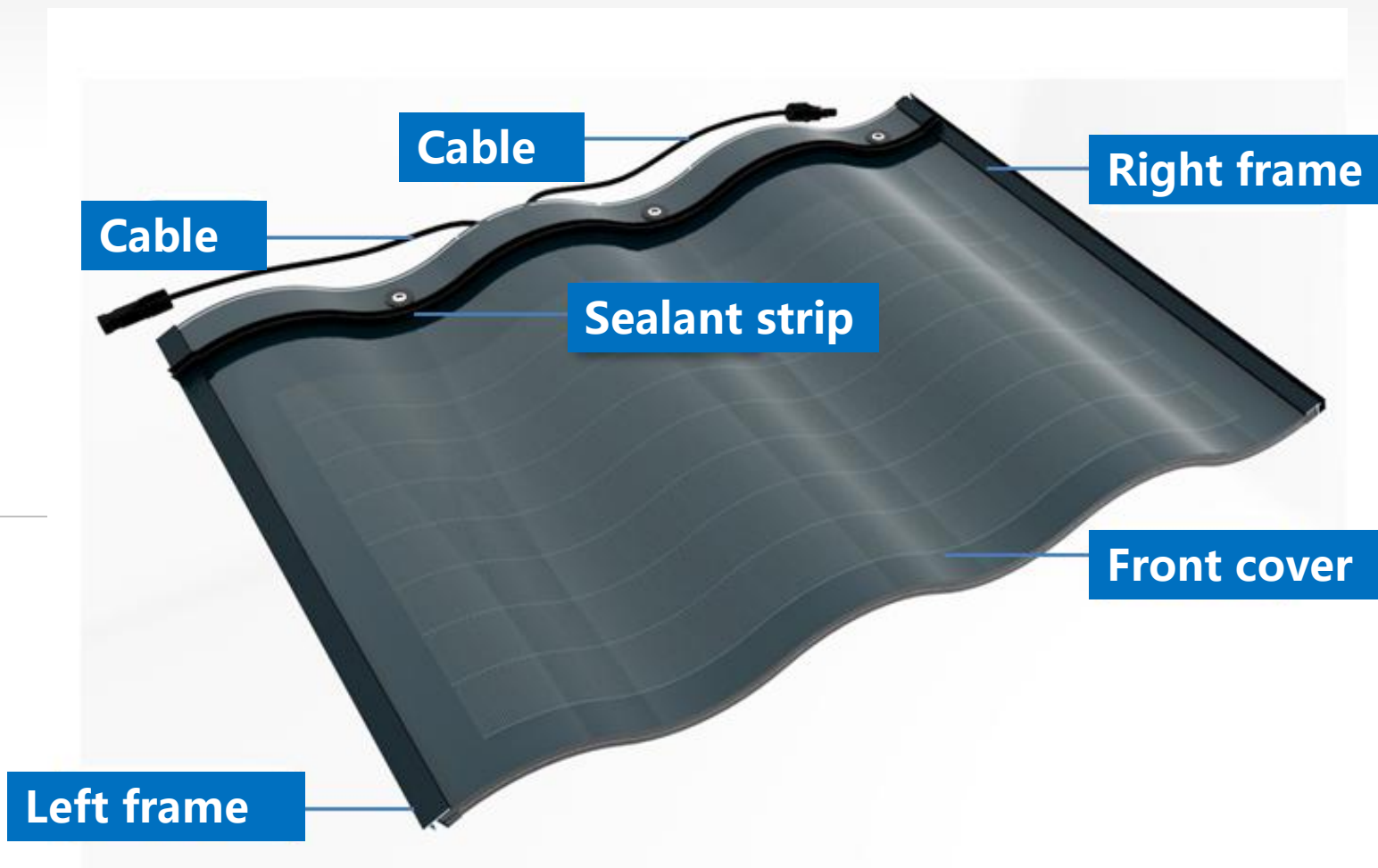
Size: **721x500x14mm**

Frame: **PPO**



Curved Solar Tile

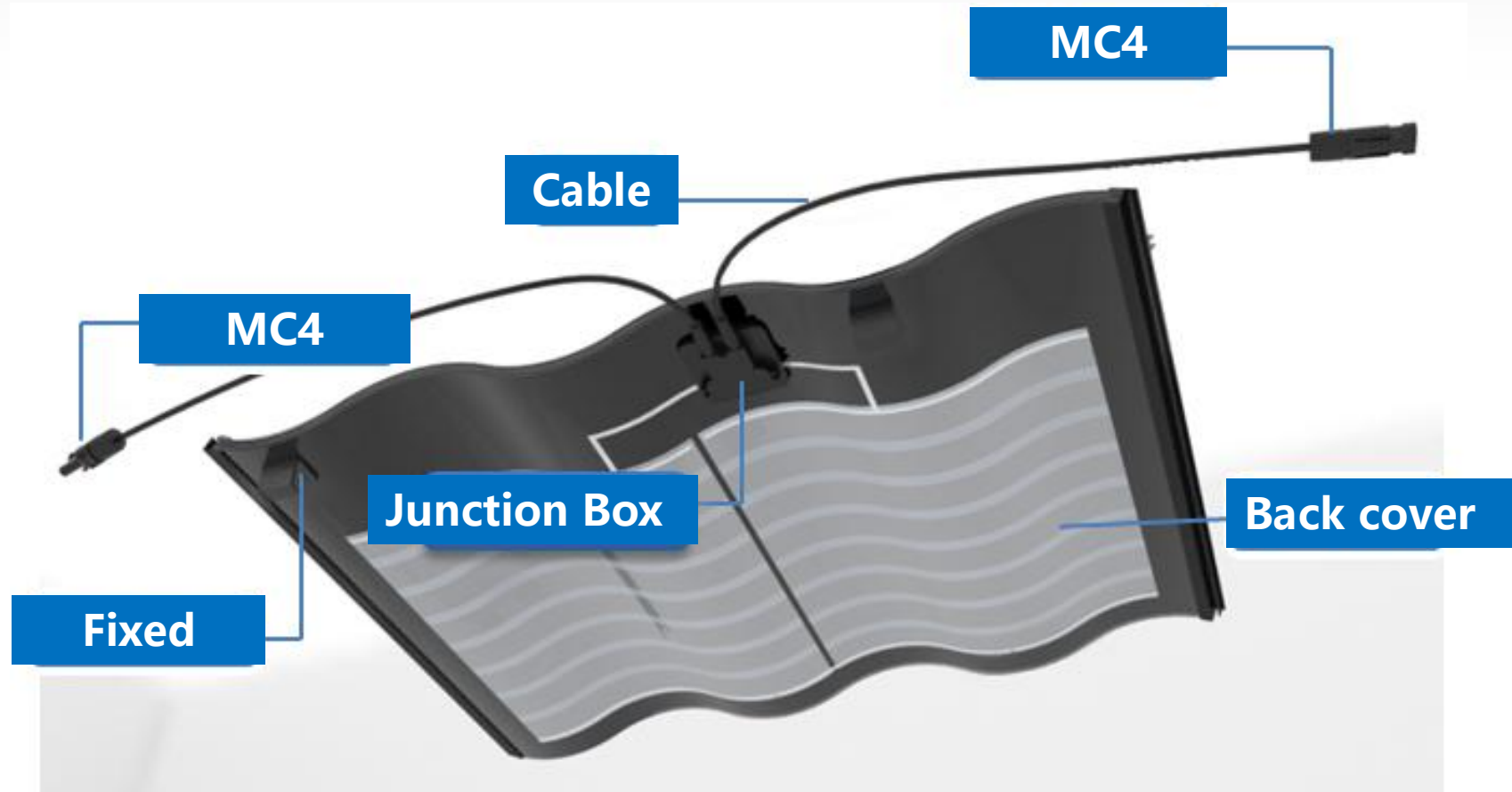
Structures Description





Curved Solar Tile

Structures Description



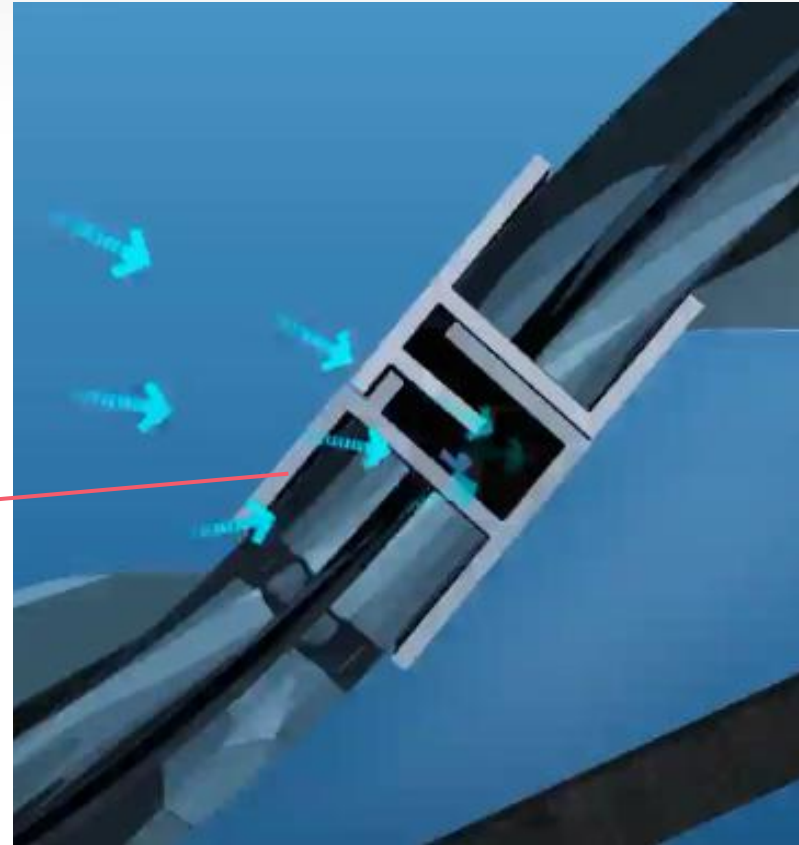


Curved Solar Tile

Solar Tile System design **Ventilation and heat dissipation**

When the solar tile is working, the air layer on the back is heated to expand and rise, and the air pressure is reduced. The external air flow flows in under the action of atmospheric pressure, forming an external-to-internal air circulation.

PPO Frame

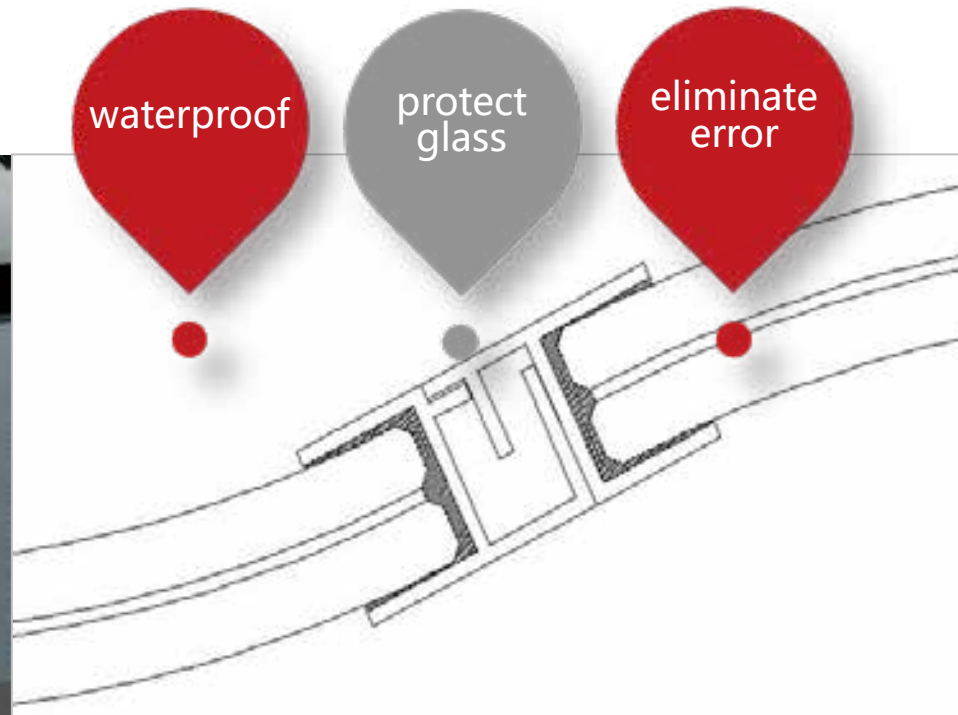




Curved Solar Tile

System lap Characteristics

In the installation process of Hantile, there will be construction errors, which will cause the upper arches and lower arches to fail, thereby affecting the waterproof performance. Moving the adjustment function left and right can eliminate manufacturing and construction errors.





Curved Solar Tile

Curved Solar Tile Mounting installation

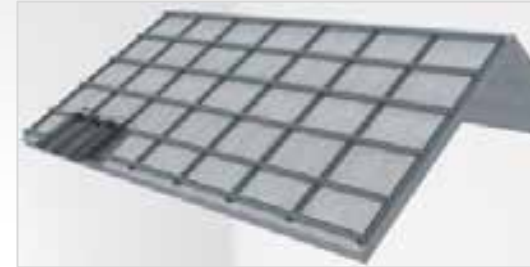
After UL certification tests in the United States, the solar tile's installation system can withstand 15 typhoons and can withstand wind speeds of 177 km/h.





Curved Solar Tile

The upper and lower sides of the solar tile are lapped by 85mm, leaving a 25,34mm safety zone on the upper and lower sides to ensure no water leakage and no pressure on the battery.





Curved Solar Tile



① Push the upper solar tile piece to be replaced



② Take the solar tile to be replaced



Curved Solar Tile



Sweden①

Product: Curved solar tile

Capacity: 5.2kw



Sweden②

Product: Curved solar tile

Capacity: 5.7kw



Curved Solar Tile

European project cases



Sweden③

Product: Curved solar tile

Capacity: 6.2kw



Sweden④

Product: Curved solar tile

Capacity: 6.6kw



Curved Solar Tile

Chinese project cases



Changde Villa

Product: Curved solar tile

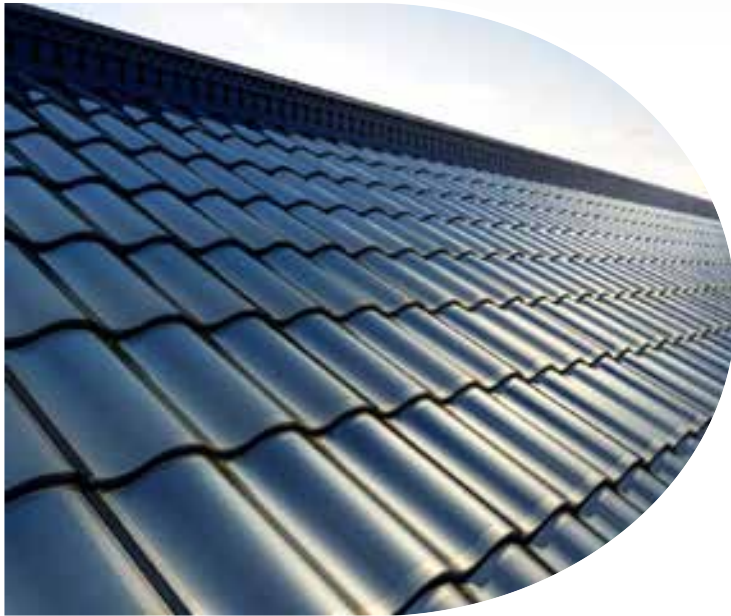
Capacity: 15kw



Anhui Villa

Product: Curved solar tile

Capacity: 15kw



PART 02

Solar Tile *characteristic*

Solar tile characteristic

Easy to install

Hook-up installation,
convenient and easy

Safety and Fire protection

Class A fire
prevention, and avoid
safety problems

Waterproof

Perfect occlusal fit
between components,
plus waterproof tape to
prevent leakage

Strength windproof

Class F windproof,
resistant to Class 15
typhoon

Strong and durable

Over 25 years of life
protection, more durable
than ordinary building
materials

Beautiful and fashionable

The component is the roof,
which is integrated with
the building and is more
beautiful

➔ Solar Tile characteristic

Product technology advantages

In 2012, Bluesun solar merger and acquisition of MiaSolé;
In 2016, MiaSolé cells began mass production, then
technology accumulation and precipitation over 4 years;
In 2016, we started development of solar tile products;
In 2017, solar tile was successfully developed;
At the same time, solar tile project has been applied.

So, Bluesun brings you a leading product for at least 6 years.





Solar Tile characteristic

Solar tile economic value

Examples:

BEIJING, CHINA.

State subsidies 0.37 yuan/kWh for 20 years, local subsidies

0.3 yuan/kWh for 5 years

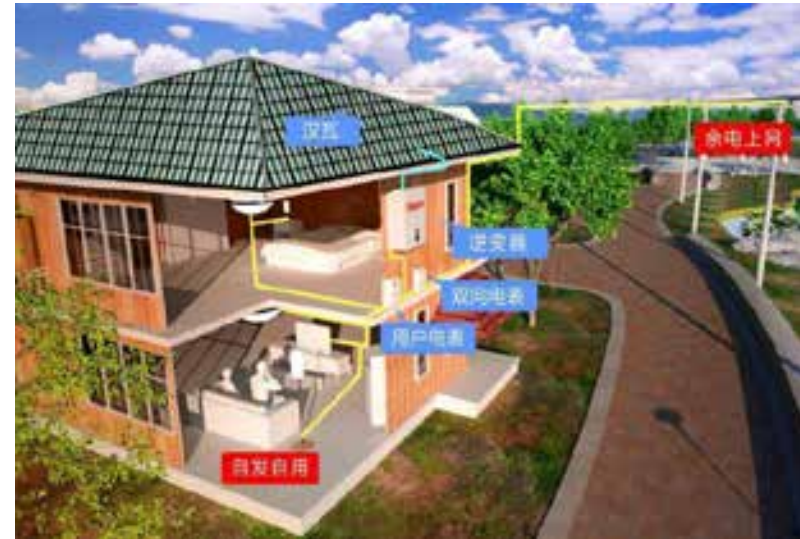
Installed: 5 kWh

Mode: Spontaneous use

Annual average power generation: 6000 degrees

The first 10 years of revenue:

$6000 \times 0.37 \times 10 + 6000 \times 0.3 \times 5 + 6000 \times 0.52 \times 10 = 62400$ RMB





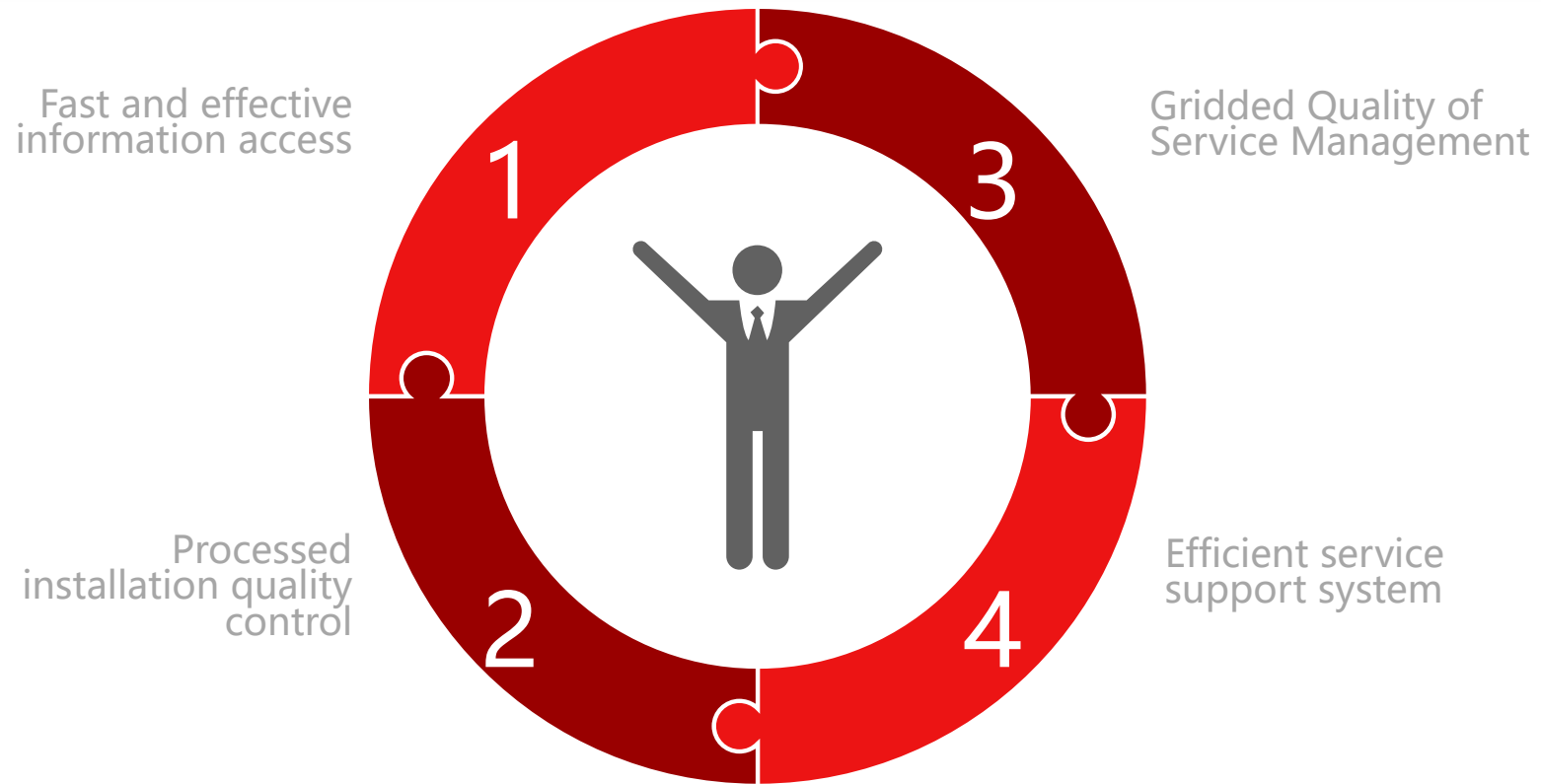
Solar tile environmental value

Each installation of 25 watts of solar emission reduction is equivalent to a variety of trees on the earth, a solar tile 30 watts, each installed 1m² watts, equivalent to planting 4 trees on the roof, reducing carbon dioxide emissions by 120Kg per year, each year Save 48Kg of coal, solar power is an important way to reduce haze production, install solar tile to restore our green water and blue sky, restore our clean air.



Solar Tile characteristic

' Focus on details , upgrade service'
Provide customers with the best products and services



THANKS

