



Golden Solar BIPV

product positioning

- 1 **Solar aesthetic roof**
- 2 **Integrated roof system**
- 3 **Perfect accessory system**

- 4 **Intelligent software design roofing**
- 5 **Extreme cost performance ratio**
- 6 **Energy producing, energy saving, low carbon**

Solar aesthetic roof

Commercial path

1

Serve spire customers well . Turn projects and customers into sales through spire projects .

2

Continuously upgrade and iterate the product to optimize the supply chain , reduce costs of technological innovation and equipment research and development , improve efficiency then link production of design software to improve the level of intelligent manufacturing .

3

With the continuous improvement in production efficiency , the spire project gradually covers more middle class and ordinary projects .



Global annual tile roofing market (spire customers) :

30 million sqm/year
(New Roofing market)

40 40million sqm/year
(Renovated roofing)

Calculate pv installed capacity by 100 w/squaremeter
the capacity could reaches

7GW

Global annual tile roofing market (Total volume):

18 Billion sqm
per year

Total installation capacity could reaches

200GW



Ugly: Construction is messy, photovoltaic modules do not agree with building color, very ugly.

Water leakage: stents damage the waterproof layer, water leakage is a hidden danger.

Danger: stand on the roof, anti-wind uncovering performance is poor, safety risks.

Light pollution: the surface of solar glass reflects light strongly, and light pollution is serious.



Aesthetics : Aesthetic photovoltaic roof, with display level anti-glare technology , ultra-low glare , more texture .

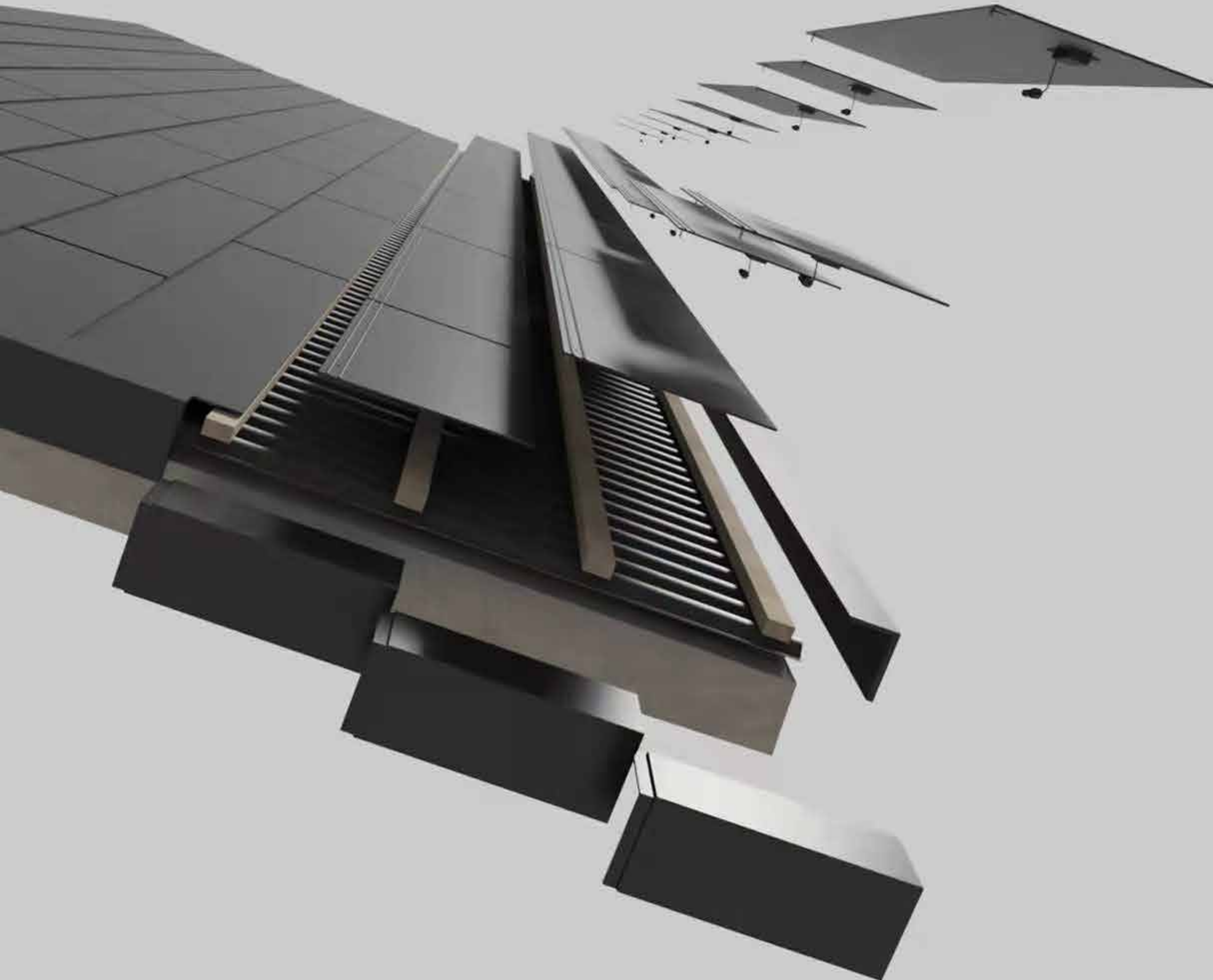
Safety : 3 times as strong as ordinary roof , resistant to hail (35mm) impact , resistant to 15 wind uncover .

Warranty : 25 years super long waterproof warranty , roof safety warranty , power generation warranty , three times the national standard .

Intelligent assembly : " Lego " assembly , intelligent design , modular production , standardized assembly construction .

Energy saving : ventilation , heat preservation , energy saving , summer room temperature can be reduced by 5-8 degrees , reduce energy consumption by 10% .

Health : ventilated roof to take away moisture , keeps the roof in a dry condition, more healthier .



Solar aesthetic roof

Display level anti-glare technology ,super matte (reduce light reflection , light pollution) .
Internal power generation unit hidden technology , delicate roof texture

Size

630*390mm
1240*390mm

Wind loading

Withstand 15th typhoon

Hardness:

3 times as strong as ordinary roof, cement tile. resistant to hail (35mm) impact.

Materials:

Mono solar cell
Tempered Glass

Warranty

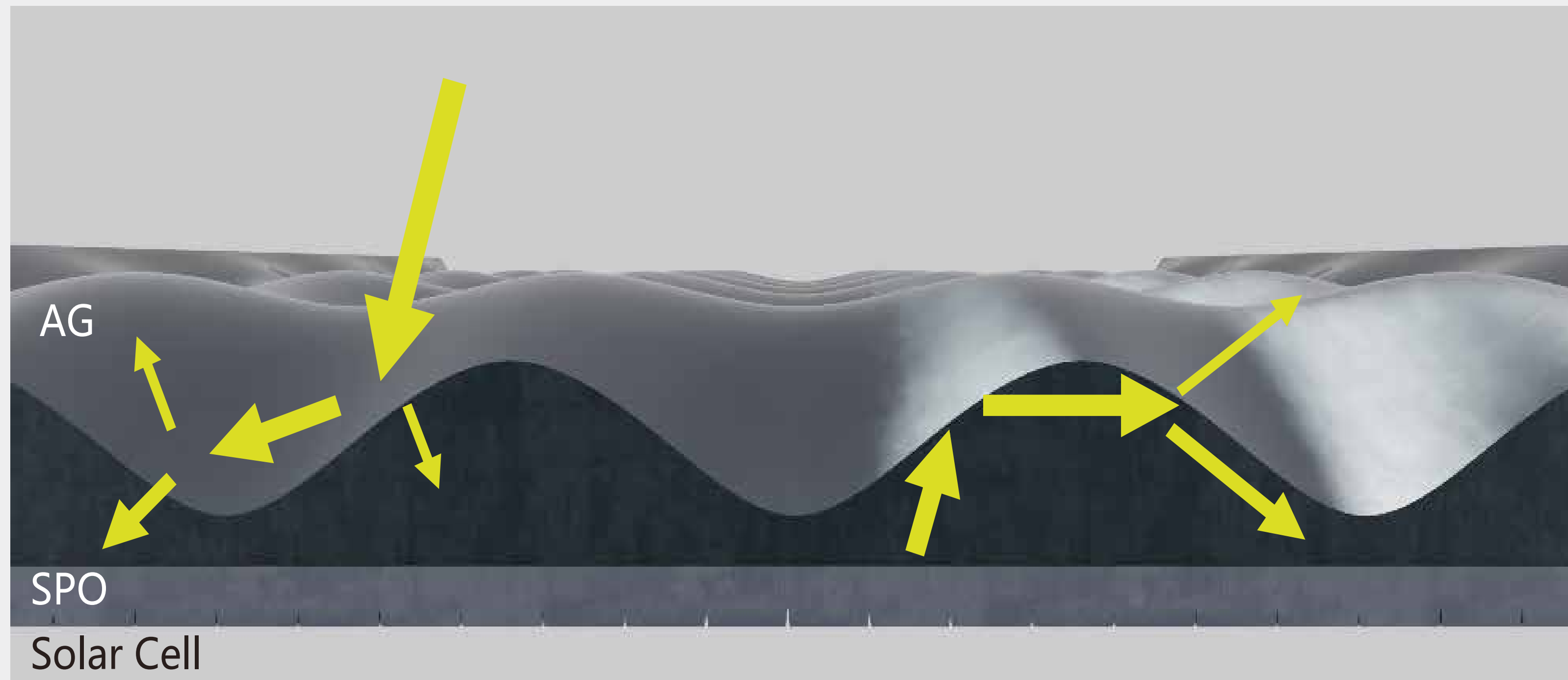
25 years

For the first time , the screen level AG anti - glare technology is applied for the solar tiles .

Not only can reduce the glass light reflection , light pollution , but also can effectively hide the internal power generation unit . From a certain Angle , the power generating unit inside the glass is completely invisible .

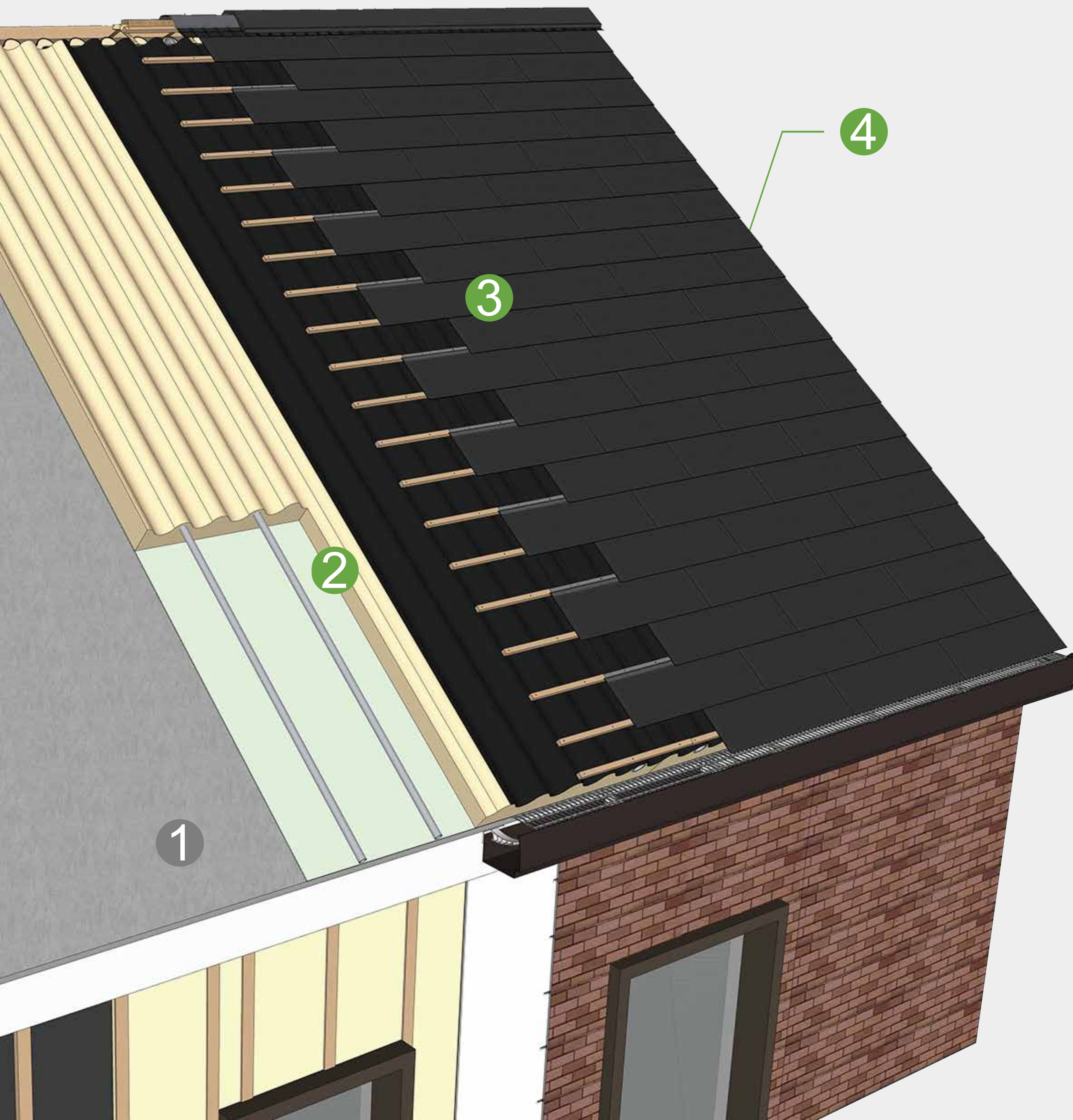
Product structure:

3.2mm AG tempered Glass / SPO / Black Solar Cells / SPO / 2.0 tempered glass



Model Type	Theoretical Power	Real Power	Size	EFF
Main tile BIAB14B	80.38W	70W	1240 x 390 x 6mm	17.2%
Main tile(no power)			1240 x 390 x 6mm	
Minor tile SIAB6B	34.45W	30W	630 x 390 x 6mm	15.0%
Minor tile(no power)			630 x 390 x 6mm	





Professional construction with ultra long warranty

4 Inverter, grid - connected electrical box, cable and accessories

3 Solar roof tiles

2 PFW plate
Laminated in factory

- 1. Antiseptic wood hanging tile
- 2. Corrugated asphalt waterproof board
- 3. Polyurethane insulation
- 4. Counter batten
- 5. Polypropylene layer

1 Roof truss



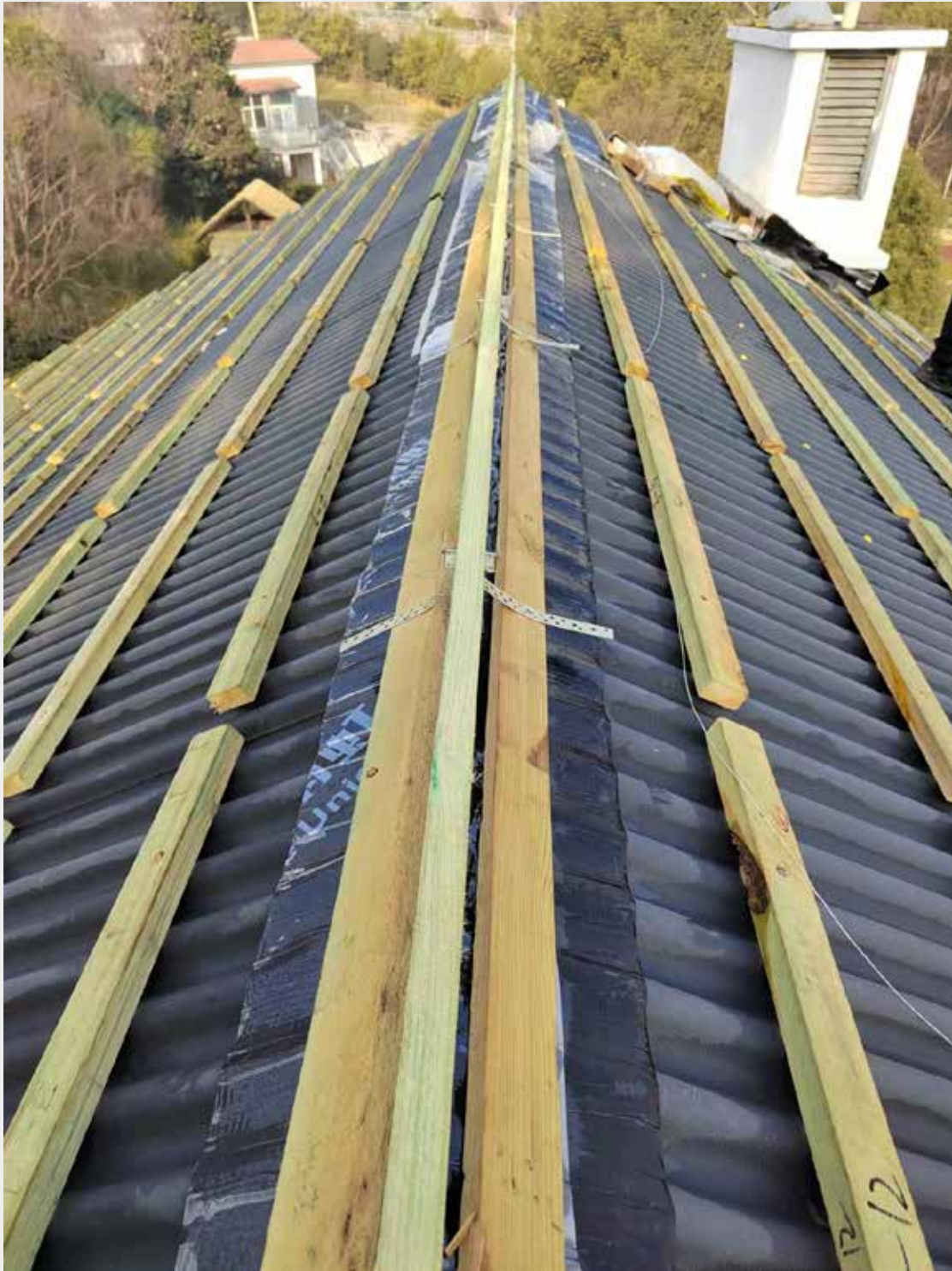
Project case

Before roofing renovation



Project case

PFW plate installation



Project case

Transporting solar tiles onto the roof



Project case

Solar tiles installation



Project case



Solar aesthetic roof



Solar aesthetic roof



Solar aesthetic roof



Solar aesthetic roof

