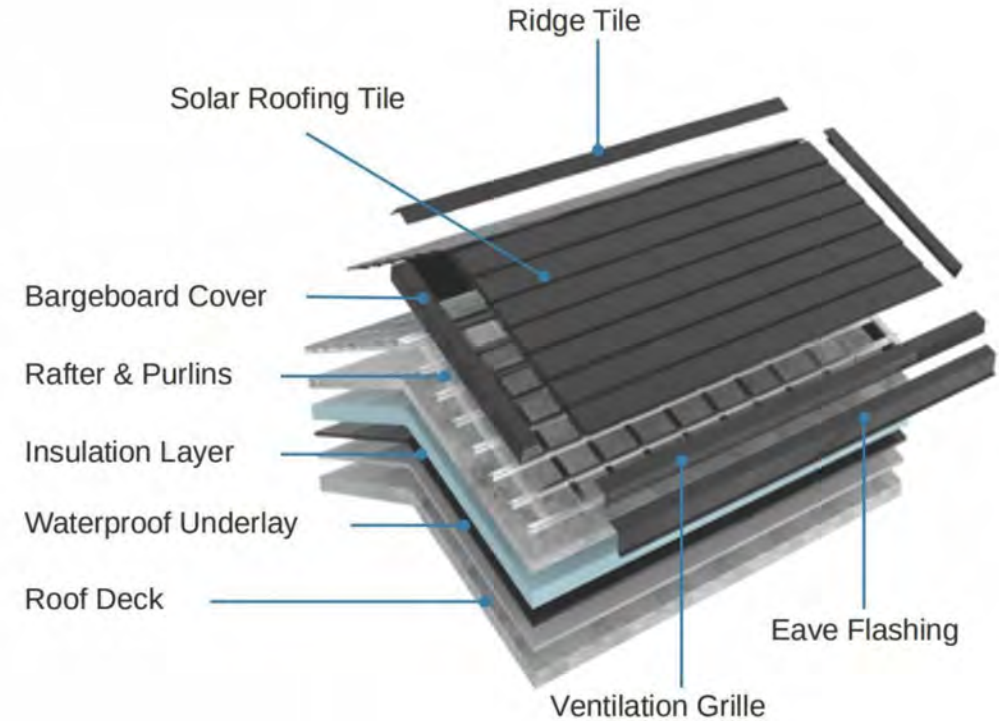
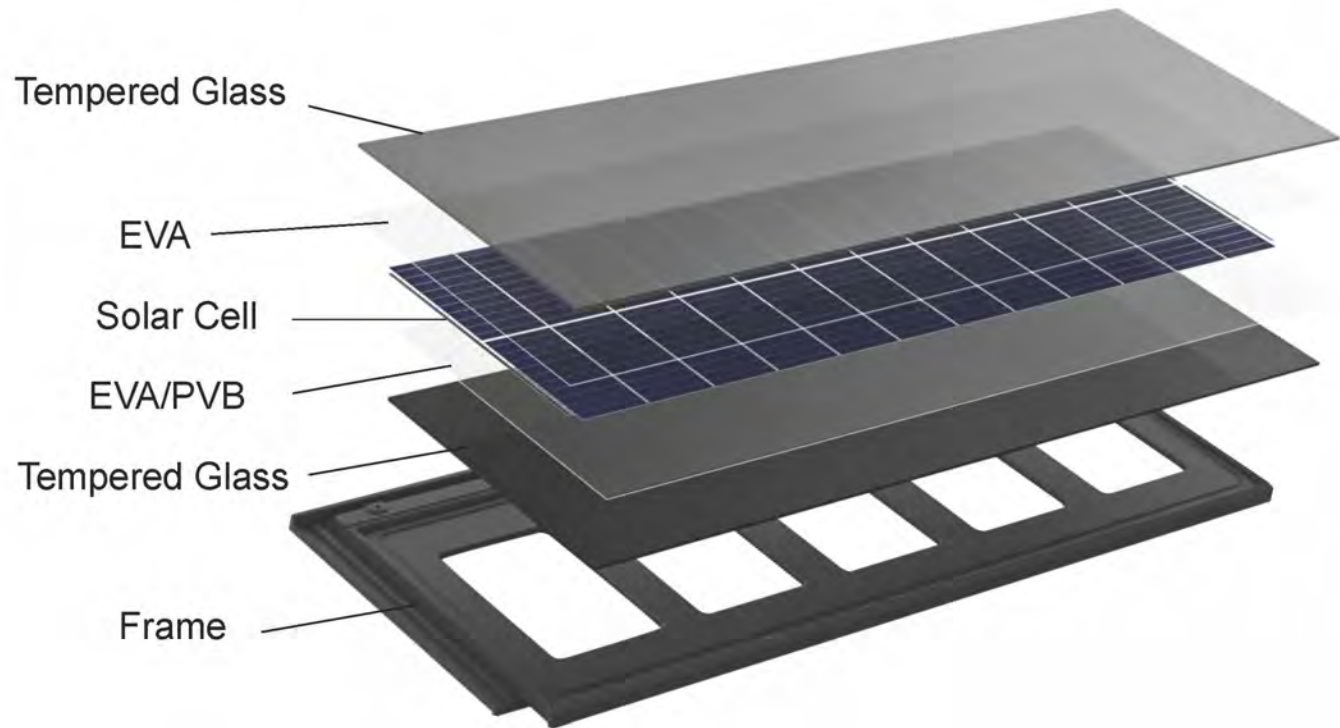
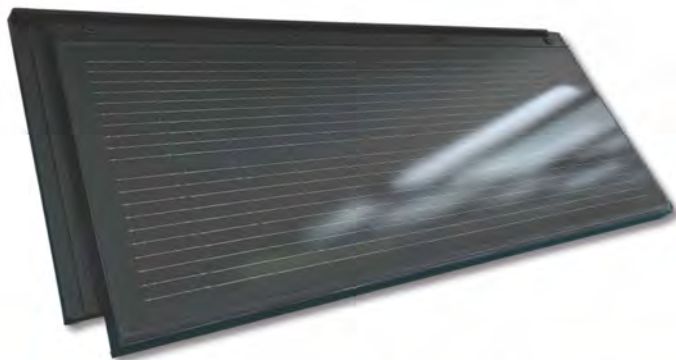


PRODUCT STRUCTURE



AVAILABLE COLOR



SIZE
1260x480mm

POWER
90W

WIEGHT
15.5kg/Pc

SIZE
630x480mm

POWER
38W

WIEGHT
7.5kg/Pc

Electrical Performance Parameters (STC)

Chip Type	Monocrystalline Silicon Black		Monocrystalline Silicon RED		Monocrystalline Silicon Gray	
	38W	90W	31W	75W	32W	78W
Power Output (P_{max})	38W	90W	31W	75W	32W	78W
Component Efficiency(%)	17.3%	18.9%	14.1%	15.8%	14.5%	16.4%
Voltage at Pmax (V_{mpp})	5.71V	13.7V	5.58V	13.4V	5.63V	13.5V
Current at Pmax (I_{mpp})	6.65A	6.57A	5.56A	5.59A	5.68A	5.78A
Open-circuit Current (V_{oc})	6.79V	16.3V	6.71V	16.1V	6.76V	16.2V
Short-circuit Current (I_{sc})	6.97A	6.89A	5.89A	5.93A	5.96A	6.07A

STC: 1000W/m² irradiance, 25 °C cell temperature, AM1.5

ACCESSORIES



GREEN ENERGY



ROOF TILES



RIDGE



RIDGE- END CAP



HIP END



BOX BOARGE COVER- RIGHT



BOX BARDGE COVER LEFT



VALLEY

PROJECT



10KW SYSTEM
40KWH Power Generate Per day

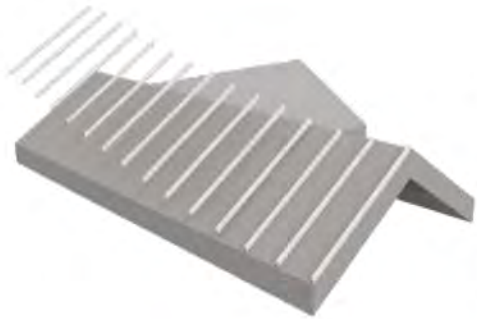


20 KW SYSTEM
80 KWH Power Generate Per day



GREEN ENERGY

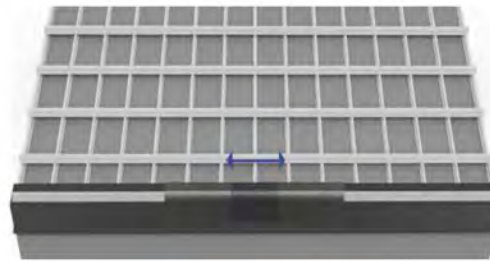
INSTALLATION- OVERVIEW



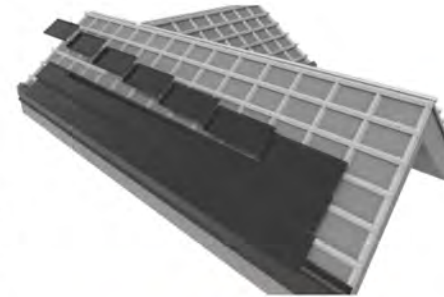
RAFTERS



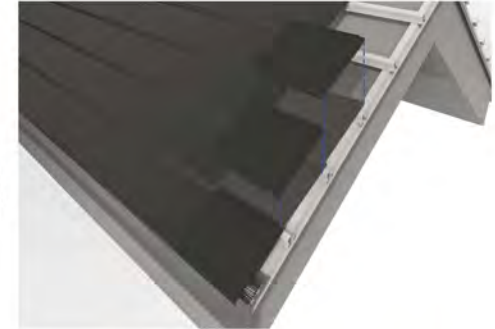
EAVE FLASHING



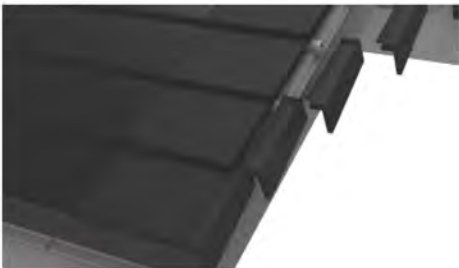
BATTENS



SOLAR ROOF



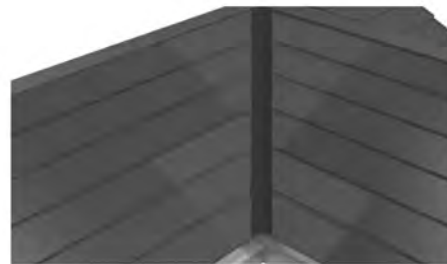
AUXILIARY TILE



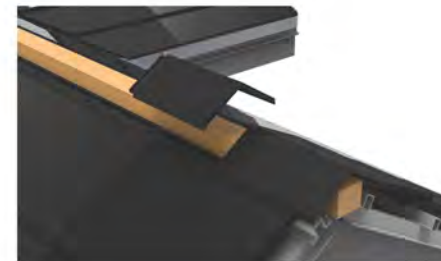
GABLE COVER



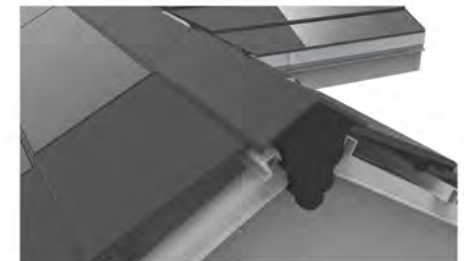
HIP TILE



VALLEY



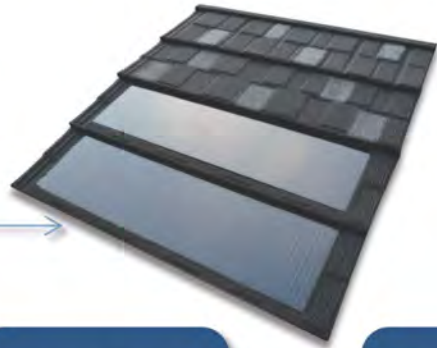
RIDGE



RIDGE END CAP

STONE COATED SOLAR ROOF TILE

THOR-Shingle



SIZE
1340 × 420mm

POWER
80W

WEIGHT
13kg/m²

THOR-Shake



SIZE
1340 × 420mm

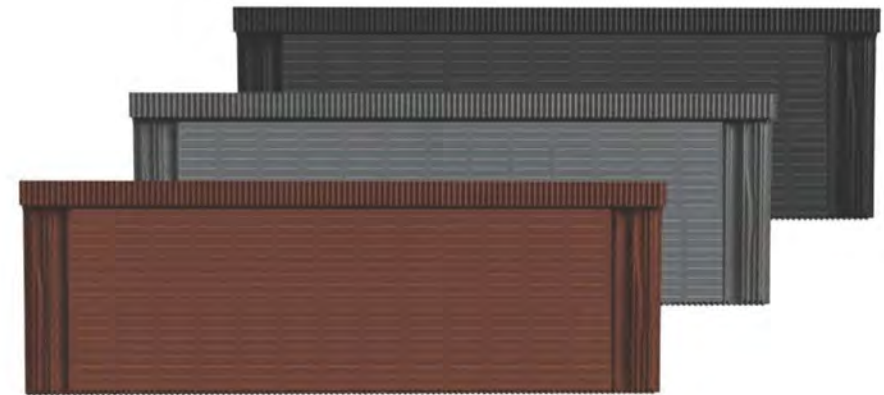
POWER
80W

WEIGHT
14kg/m²

Electrical Performance Parameters (STC)

Chip Type	Monocrystalline Silicon		
	Black	Red	Gray
Power output W P_{max}	80W	62W	66W
Component efficiency (%)	17.8%	15.6%	16.1%
Voltage at Pmax (V) V_{mpp}	10.3V	10.1V	10.1V
Current at Pmax (A) I_{mpp}	6.6A	5.54A	5.74A
Open-circuit current (V) V_{oc}	12.3V	12.1V	12.1V
Short-circuit current (A) I_{sc}	6.92A	5.88A	6.03A

STC: 1000W/m² irradiance, 25 °C cell temperature, AM1.5

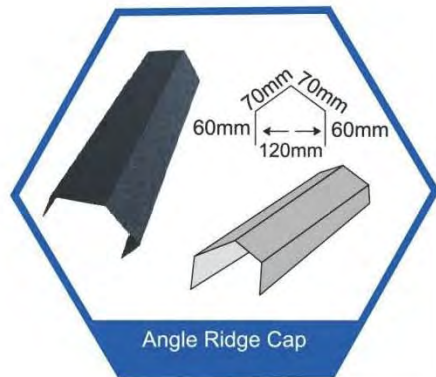


AVAILABLE COLOR

STONE COATED SOLAR ROOF- ACCESSORIES



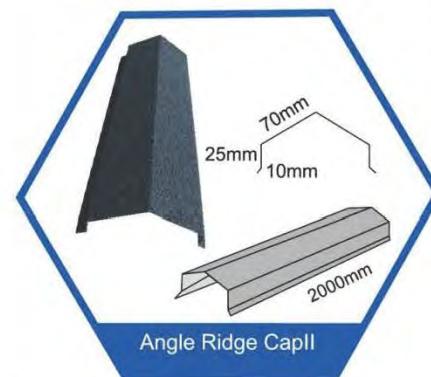
GREEN ENERGY



Angle Ridge Cap



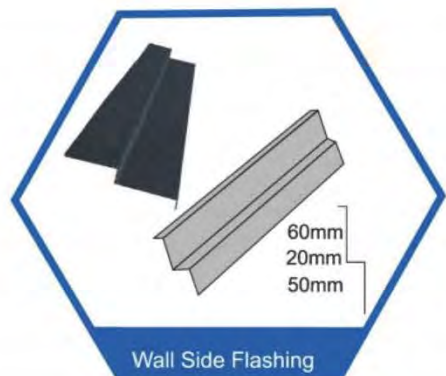
Square Ridge Cap



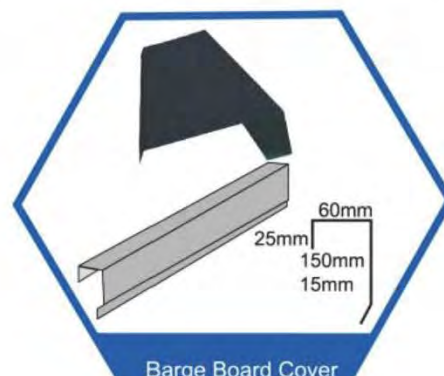
Angle Ridge Cap II



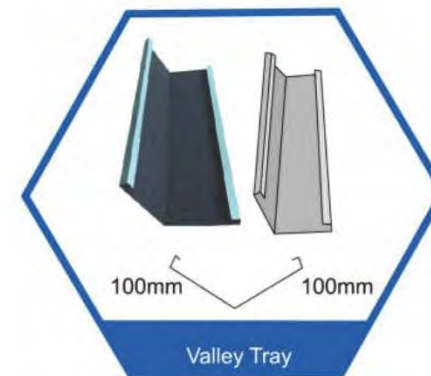
Circular Ridge Cap



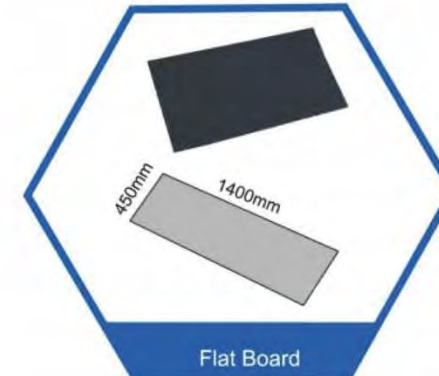
Wall Side Flashing



Barge Board Cover

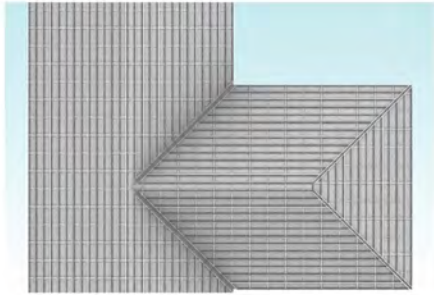


Valley Tray

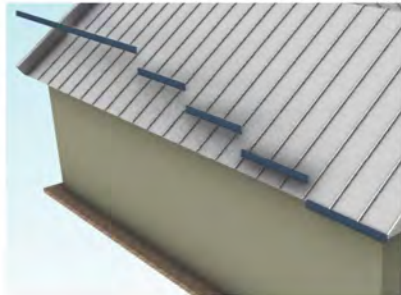


Flat Board

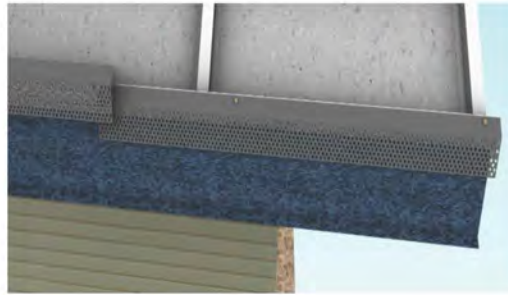
STONE COATED SOLAR ROOF- INSTALLATION



RAFTERS



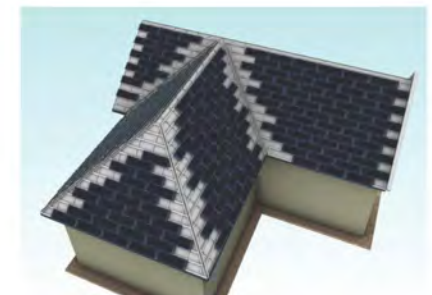
EAVE BOARD



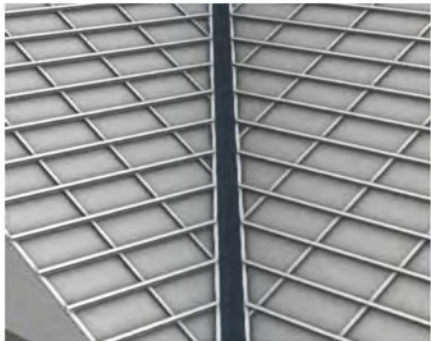
GRATE



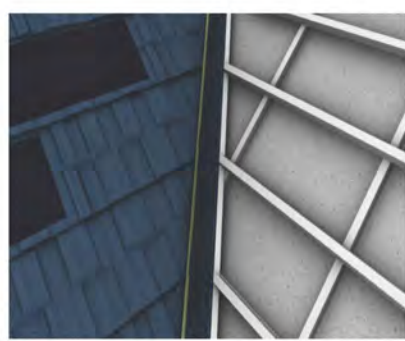
SOLAR ROOF TILE



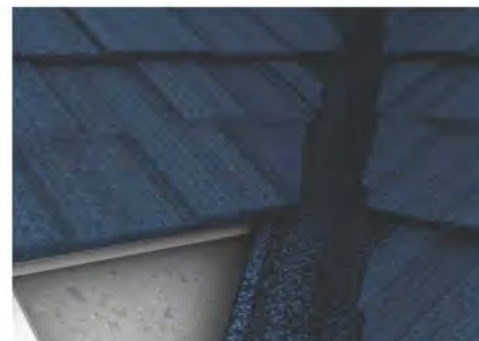
ROOF INSTALLATION



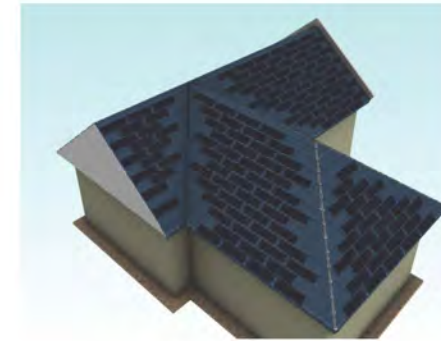
VALLEY



AUXILIARY TILES



AUXILIARY TILES



RIDGE TILE



END CAP

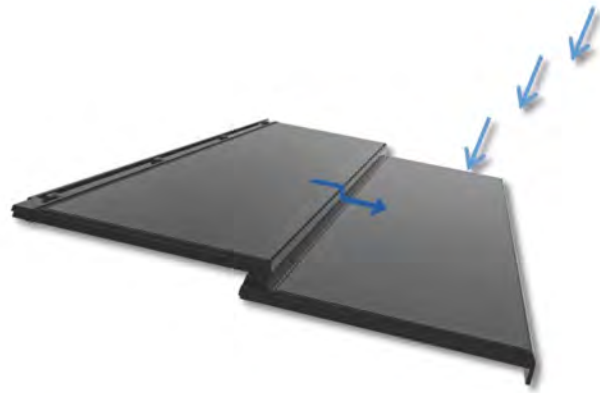
STONE COATED SOLAR ROOF- PROJECT



3KW SYSTEM
12KWH Power Generate Per day



5KW SYSTEM
20KWH Power Generate Per day



WATER LEAKAGE

- Interlocking designed.
- Glass surface.

True Blue



STRONG

- Crush Resistance.
- Tempered Glass + Fiberglass frame.
- Strong to against weather.



SAFE SHIPPING

- The frame has protected rubber to avoid risk of fragile during shipping



LIGHTWEIGHT

- About 20kgs per square meter.



EASY INSTALLATION

- Same with traditional roofing materials on frame directly.



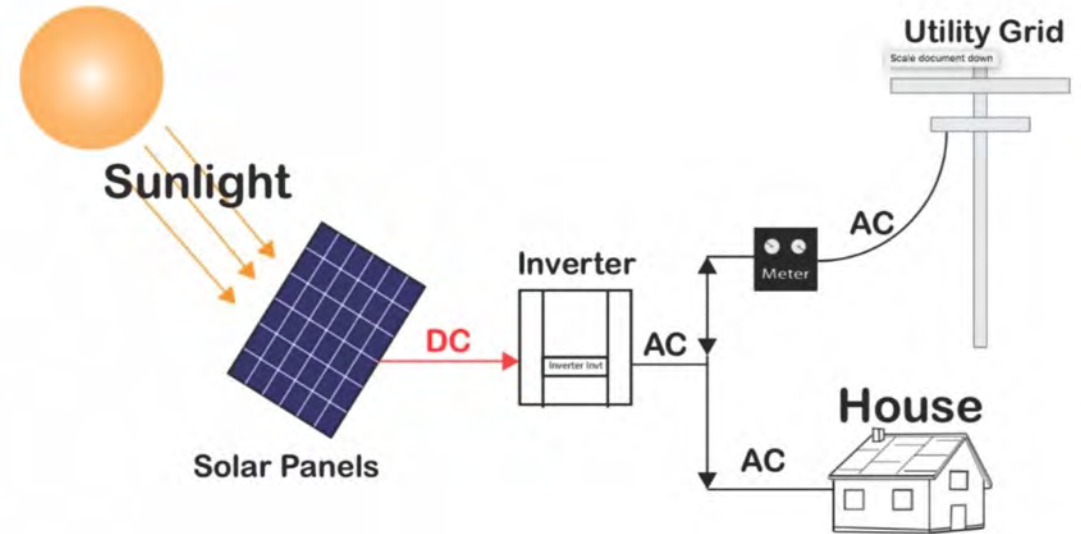
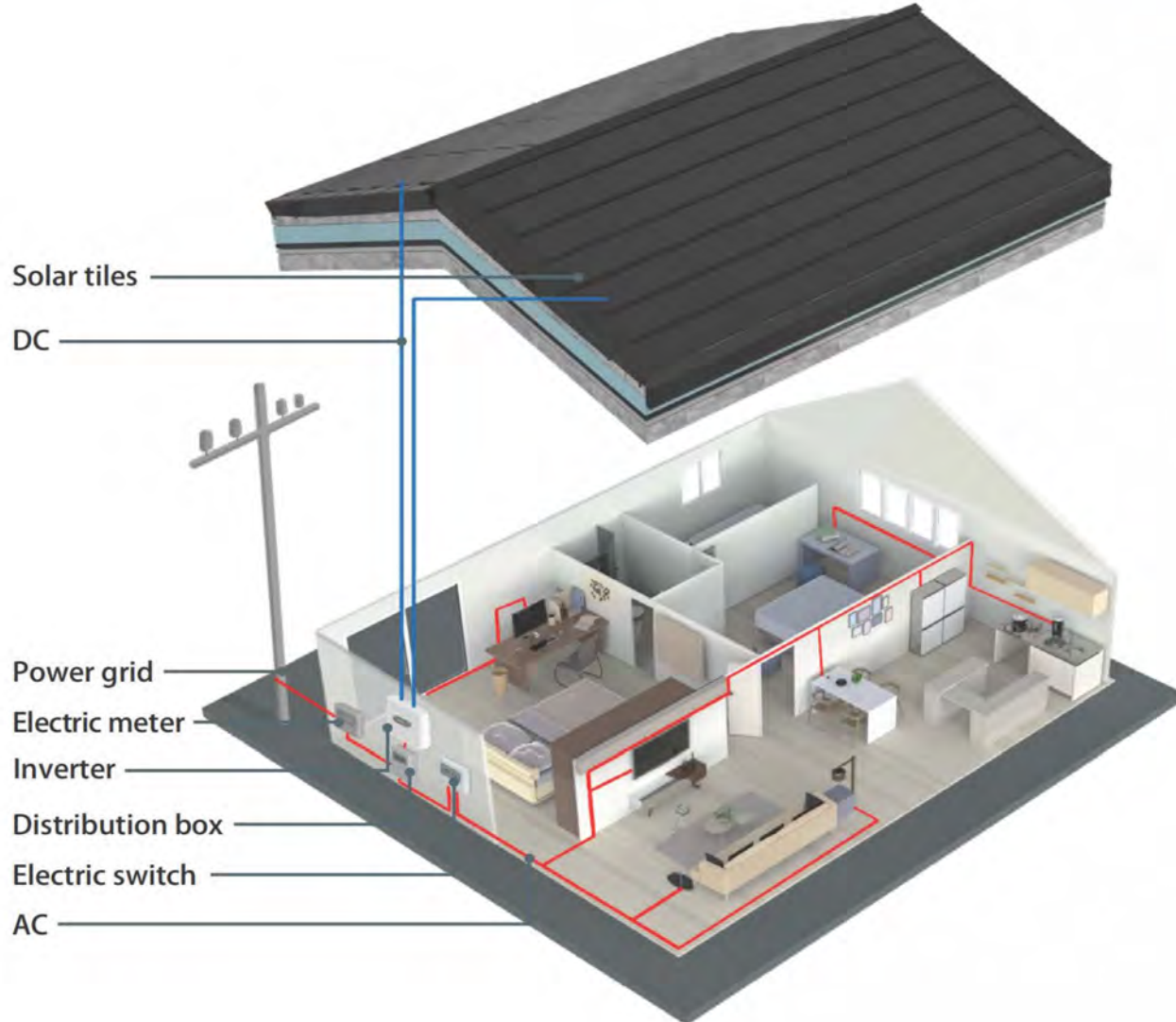
OUTPUT POWER STABILITY

- More than 20years experience of solar materials.

COMPOSITION OF GRID-CONNECTED SYSTEM



GREEN ENERGY



EIETRICAL SCHEMATIC



- DC
- AC
- - - Communication

INSTALLED ROOF EFFECT



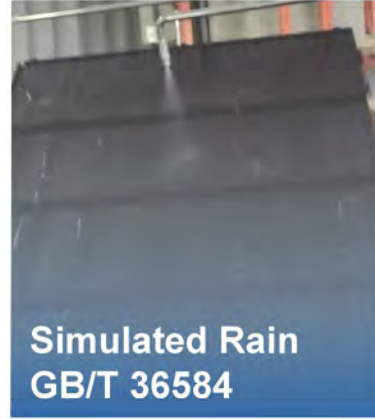
Performance Advantage



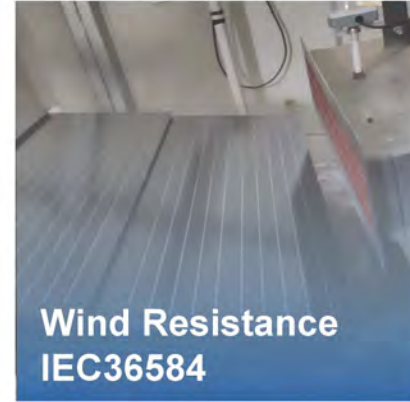
Component
performance
IEC61215



Hail Experiment
Φ25mm/23m/s



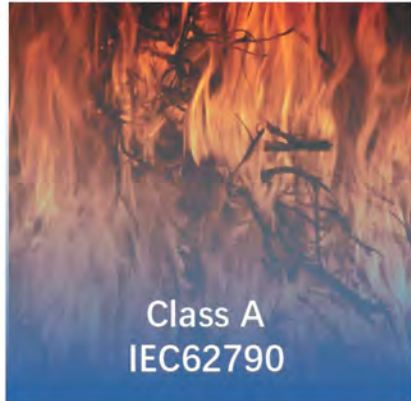
Simulated Rain
GB/T 36584



Wind Resistance
IEC36584



Bending Performance
IEC36584



Class A
IEC62790



Static Mechanical
Load Test
5400Pa



Component Safety
Qualification
IEC61730



Architectural
Safety Glass
GB15763



PROJECT CASES



◆ Hebei Passive Housing Demonstration Project (5kw)

PROJECT CASES



◆ Hebei Baoding Passive Residential Demonstration Light Volt Tile Roof Project (100kw)



◆ Tibet High end Chain Hotel Light Volt Tile Roof Project (831kw)

PROJECT CASES



GREEN ENERGY



◆ Shandong Rizhao Elephant
Research Institute (4kw)



◆ Zhejiang Hangzhou Zero Carbon Villa Club Light and
Volt Tile Project (3.2kw)

PROJECT CASES



GREEN ENERGY



◆ Hebei Xiong'an New Area Gas Station Convenience Store Light Volt Watt Project (37kw)

PROJECT CASES



GREEN ENERGY



◆ Netherlands Zivina Town Solar Roofing System Project



◆ Xi'an Residential Villa Solar Roofing System Project



光伏建筑一体化 双碳发展新未来

◆ Green Smart Ecological Town

CHARACTERISTICS



GREEN ENERGY

High power generation

High-efficiency crystalline silicon cell technology, unique packaging process, higher power generation efficiency

High Security

Class A class fire protection , Class 15 instantaneous wind protection, Excellent waterproof and shock resistance, The same life span as the building

High Loading

Super strong structural strength, 3 times the strength of ordinary tiles no fear of trampling and hail

Fashioning And Beauty

Texture color is customizable , Integrated roof design ,Coordinated and beautiful

Energy Saving And Thermal Insulation

Unique heat dissipation structure can effectively reduce the roof temperature by 5°C

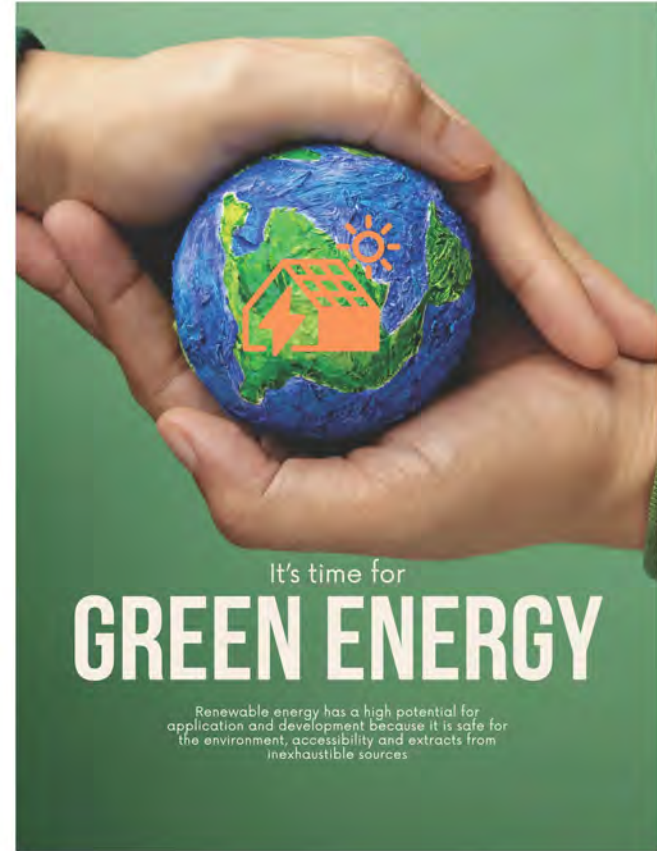
Easy installation

Standardized modular unit installation, saving time by more than 50%





Performance Advantage



Take 10kw solar roof as an example (roof area of 100 square meters)

Solar panels

True Blue #1

Solar panels:
Roof tiles + Installation cost:
Roofing quality assurance:
3-5Years

Solar roof:
Electrical system:
Accessories + Installation cost :
Roofing quality assurance: **30**Years

Total cost: **\$11700-\$13200**

Total cost: **\$17400**

Economic Benefit

A household installs 100 square meters of *True Blue* with a power of **170watt** per square meter, and a power generation of 490,000 KWH in 25 years.

Saving **197 tons** of standard coal in 25 years,

A 25-year reduction of **492 tons** of CO² is equivalent to 27,333 trees.

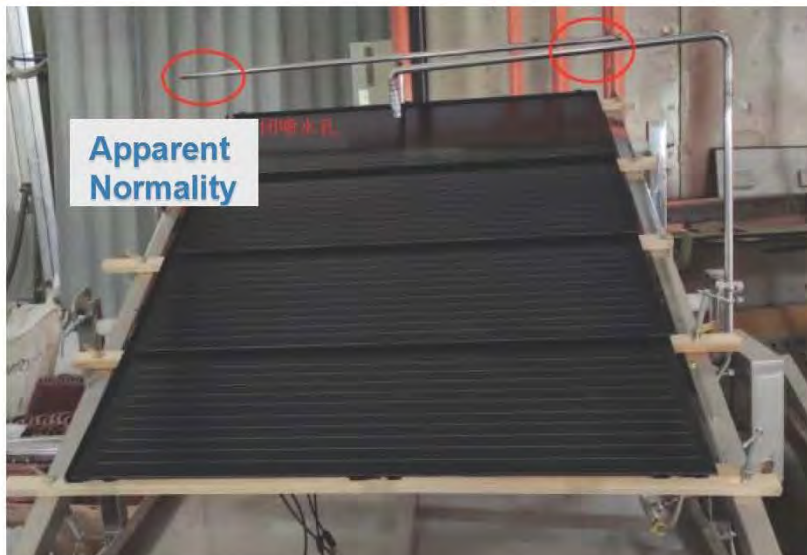
Social Benefit

PRODUCT CHARACTERISTICS - PHYSICAL PROPERTIES



GREEN ENERGY

➤ Simulated Rain



➤ Wind Resistance

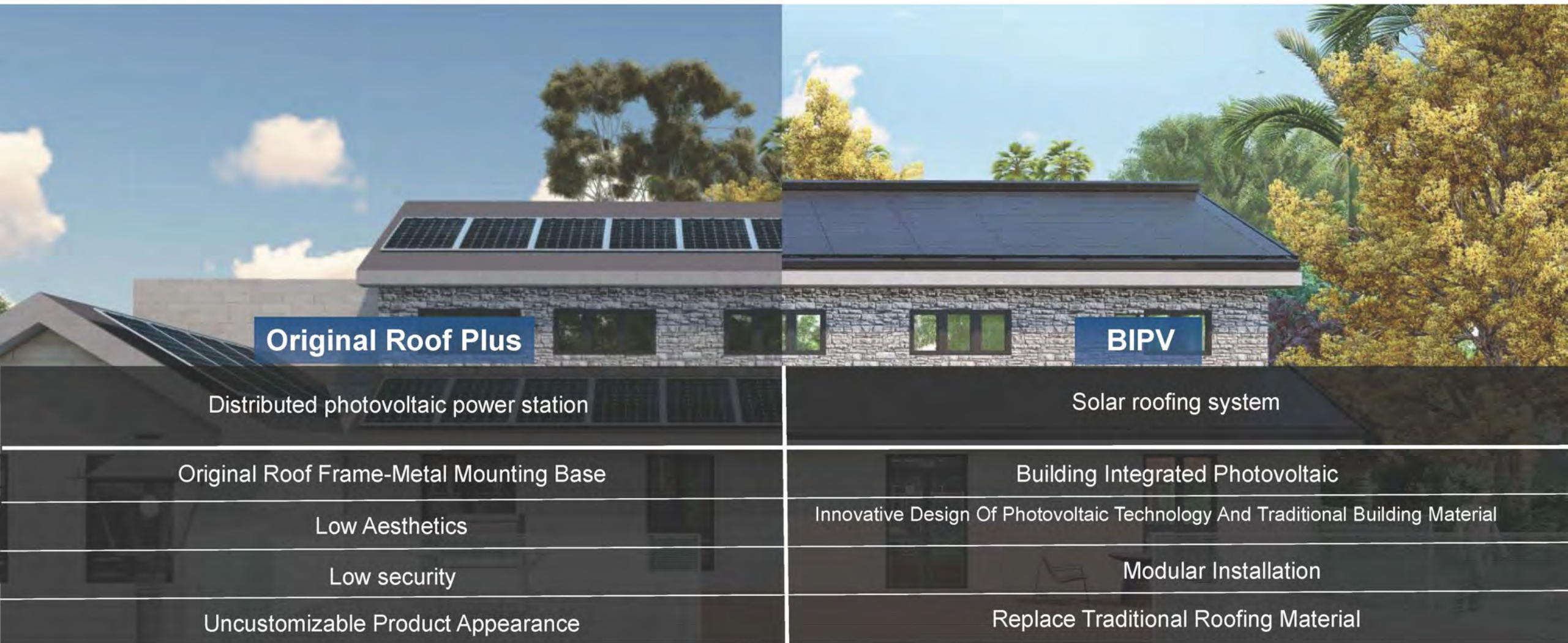


➤ Bending Strength



Experiment Items	Adoption Standard	Condition	Duration	Conclusion
Simulated Rain	GB/T 36584-2018 《Test methods for roof tiles》	Water out of spout $1.25 \times A$ Rain pours out water $2.5 \times A$	2h	There is no water drop on the back of the tile after the test
Wind Resistance		Wind speed 177km/h	2h	No part disengagement, no damage, qualified, Grade F
Bending Strength		Uniform rate of loading 50N/s-100N/s	Until the sample breaks	Fracture load is $\leq 2200N$, sintered tiles of the same specification is $\leq 1200N$; Concrete tiles shall be $\leq 1000N$

BIPV IS BETTER THAN BAPV



EXCELLENT WATERPROOF

Tempered Glass

no water seepage

Gutter

Double trapezoid structure,
fast pouring

EXCELLENT THERMAL INSULATION

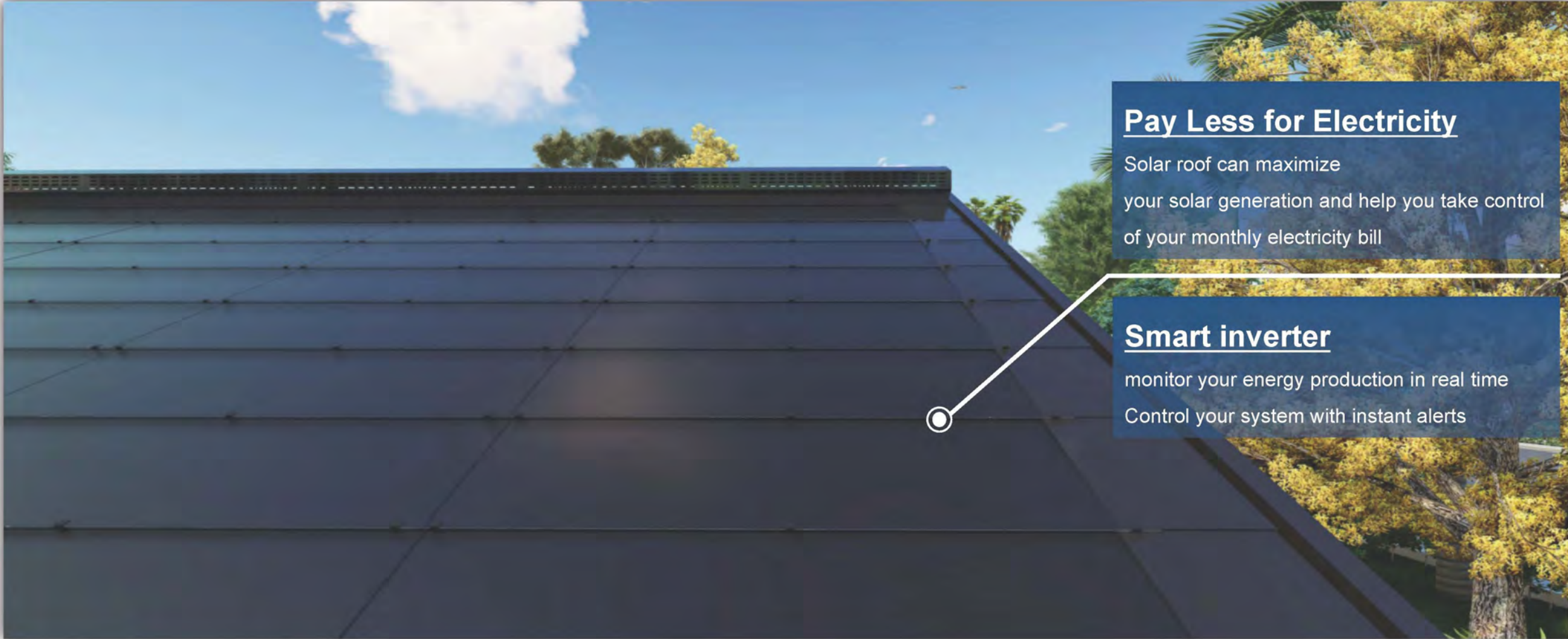
Structure with heat dissipation function

Through the interconnecon space between the photovoltaic tiles and the roof, hot air is timely discharged outside through the main ridge.

Ventilated Roof Ridge

Ventilated Bottom Eaves

SUSTAINABLE GREEN POWER OUTPUT



Pay Less for Electricity

Solar roof can maximize your solar generation and help you take control of your monthly electricity bill

Smart inverter

monitor your energy production in real time
Control your system with instant alerts



GREEN ENERGY

The whole system is calculated and provided

Analysis of illumination and power generation in the customer's area

A rendering of the photovoltaic roof

Marketing program

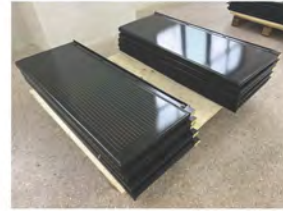
Professional installation manual and personnel support

Aftersale service



Sample Support

- Specification: 1260*480mm
- Net weight: 17kg
- Packing: 26pcs/ctn
- Weight: 470kg/ctn
- Volume: 1370*1130*660mm



: 630mm*480mm
: 810*600*240mm
: 23公斤

High Demand for PV in Germany

Apply for low-interest loans to finance PV projects

Photovoltaic tax-free

