



BIPV SOLAR ROOFING SYSTEM

Zhejiang Sangobuild Jiasheng New Energy Co., Ltd

Hangzhou . China

— GREEN ENERGY —



Characteristic

Installation Effect

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Original Roof Plus
Distributed photovoltaic power station

BIPV
Solar roofing system

Original Roof Frame-Metal Mounting Base

Low Aesthetics

Low Security

Uncustomizable Product Appearance

Building Integrated Photovoltaic

Innovative Design Of Photovoltaic Technology And Traditional Building Material

Modular Installation

Replace Traditional Roofing Material

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Beautiful Appearance

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Standardized, Modular, Easy
installation

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Excellent Waterproof

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Tempered glass
no water seepage



Gutter
Double trapezoid structure, fast pouring



Waterproof strip
Prevent rainwater from flooding

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Excellent thermal insulation

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Structure with heat dissipation function.

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



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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



Product Introduction

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

Fashion 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

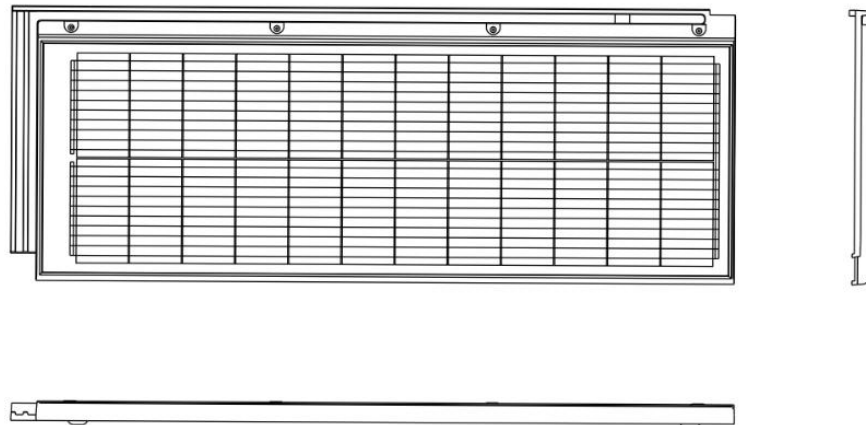
Standardized modular unit installation, saving time by more than 50%



Product Data

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| Parameters of Solar Tiles | |
|---------------------------|----------|
| Power output (W) | 87 |
| Voltage at Pmax (V) | 13.7 |
| Current at Pmax (A) | 6.35 |
| Open-circuit current (V) | 16.2 |
| Short-circuit current (A) | 6.75 |
| Dimensions (mm) | 1260*480 |
| Weight (Kg) | 16.50 |

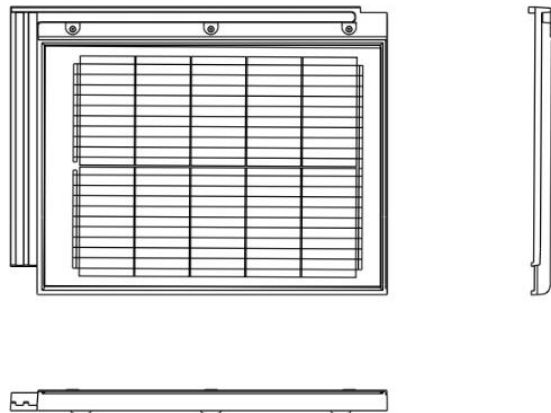


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Product Data

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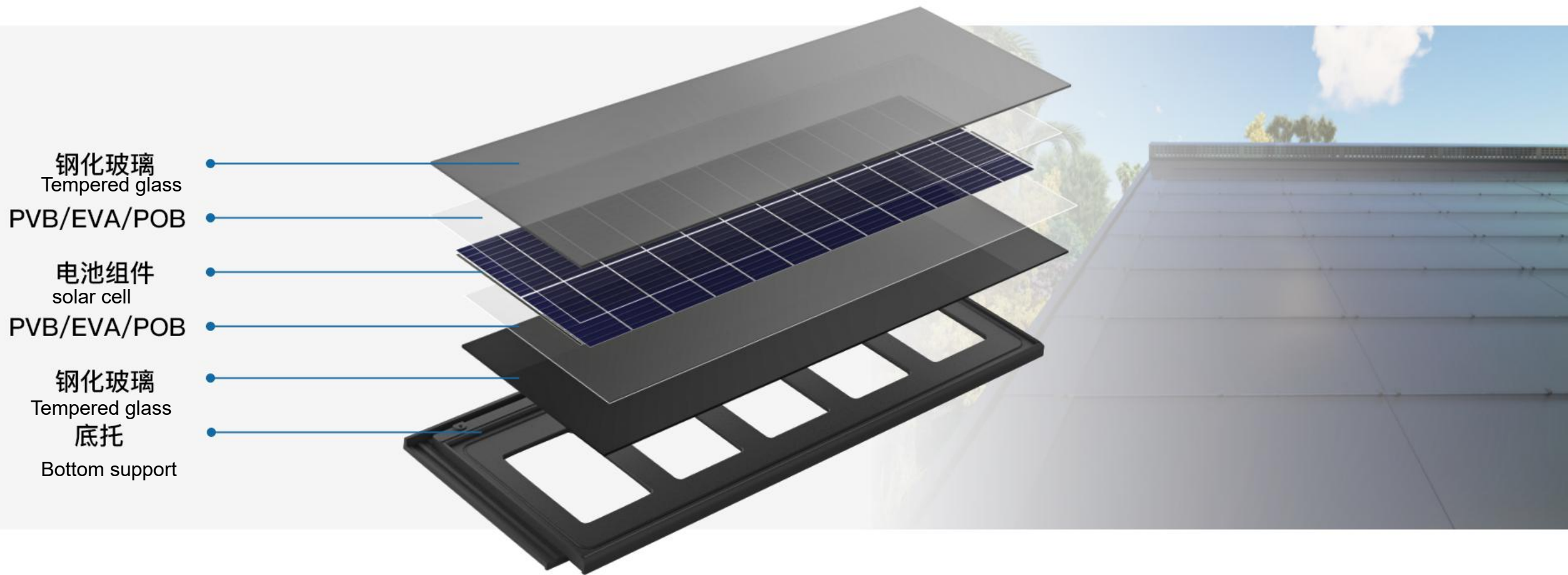
| Parameters of Solar Tiles | |
|---------------------------|---------|
| Power output (W) | 35 |
| Voltage at Pmax (V) | 5.7 |
| Current at Pmax(A) | 6.14 |
| Open-circuit current (V) | 6.74 |
| Short-circuit current (A) | 6.53 |
| Dimensions (mm) | 630*480 |
| Weight (Kg) | 9 |



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Product structure

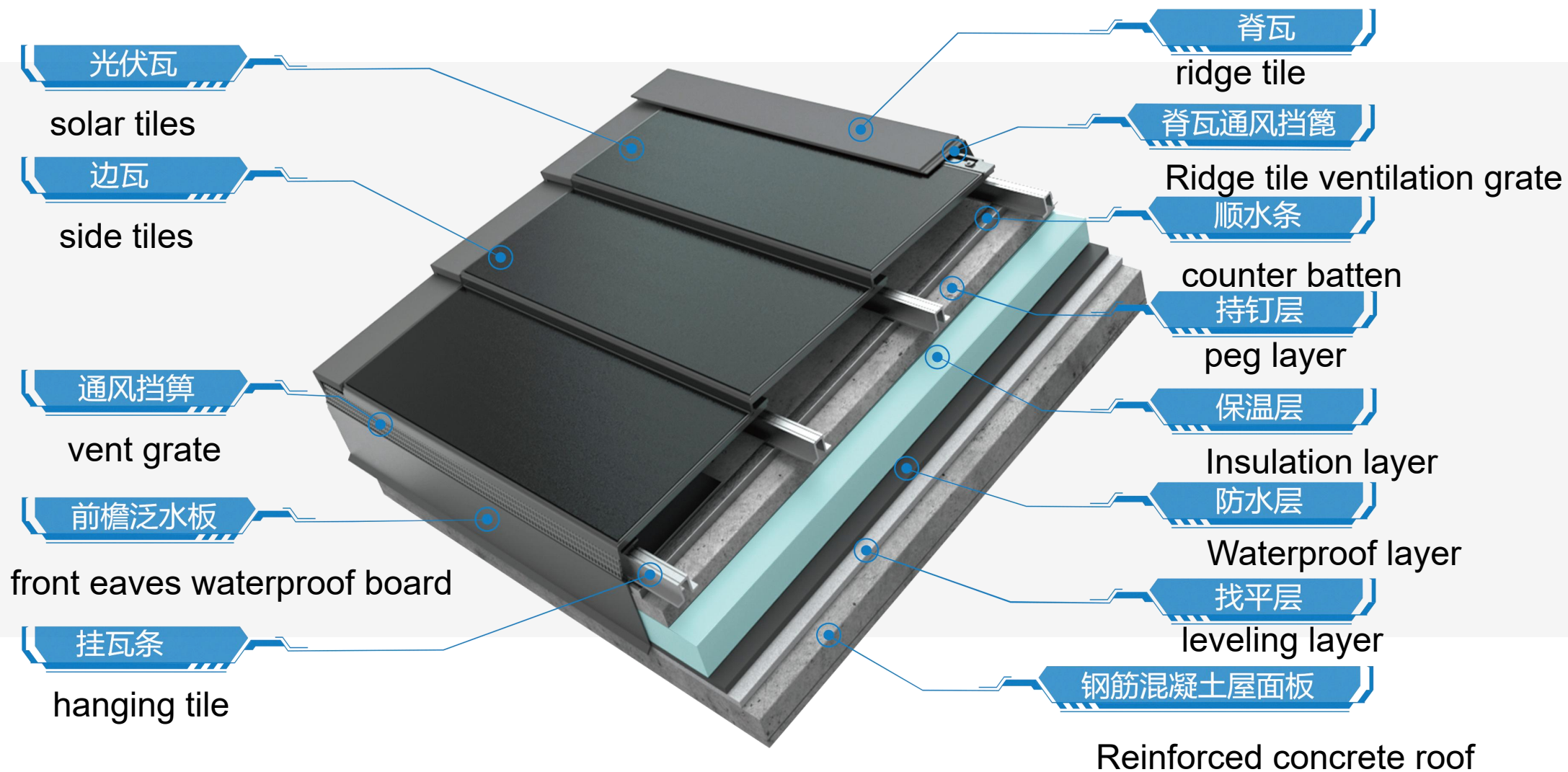
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Installation structure

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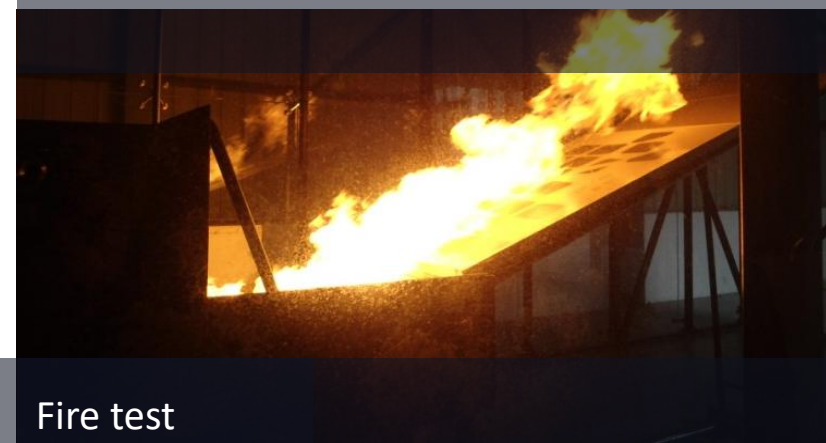
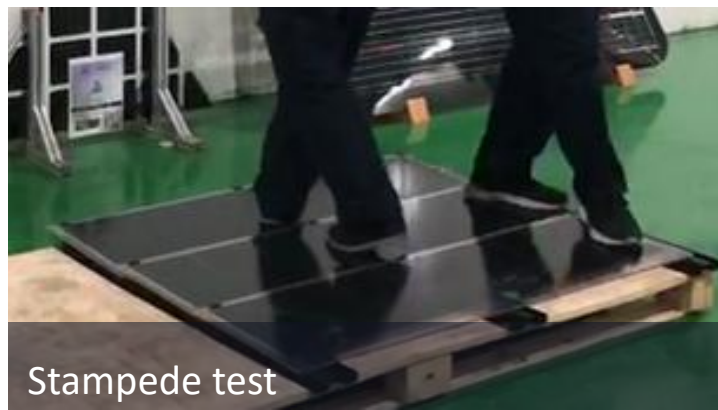


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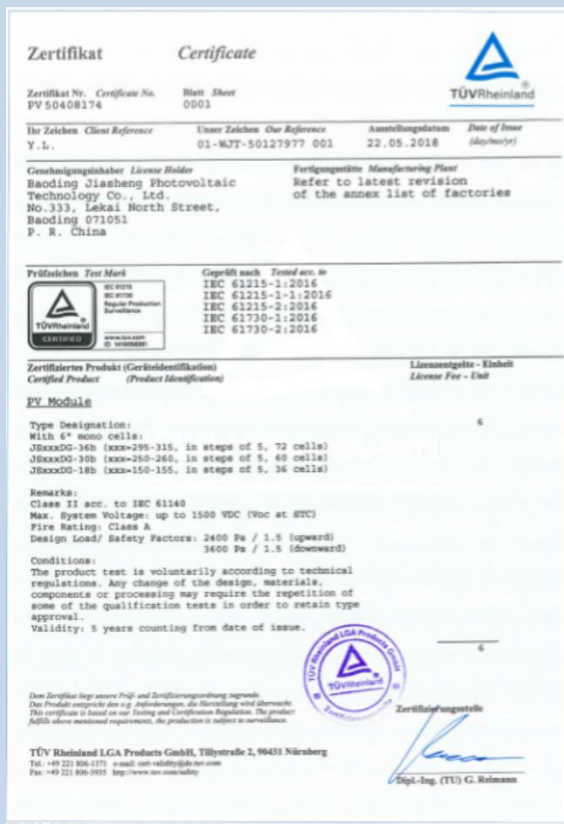


Certification

Certification/Test

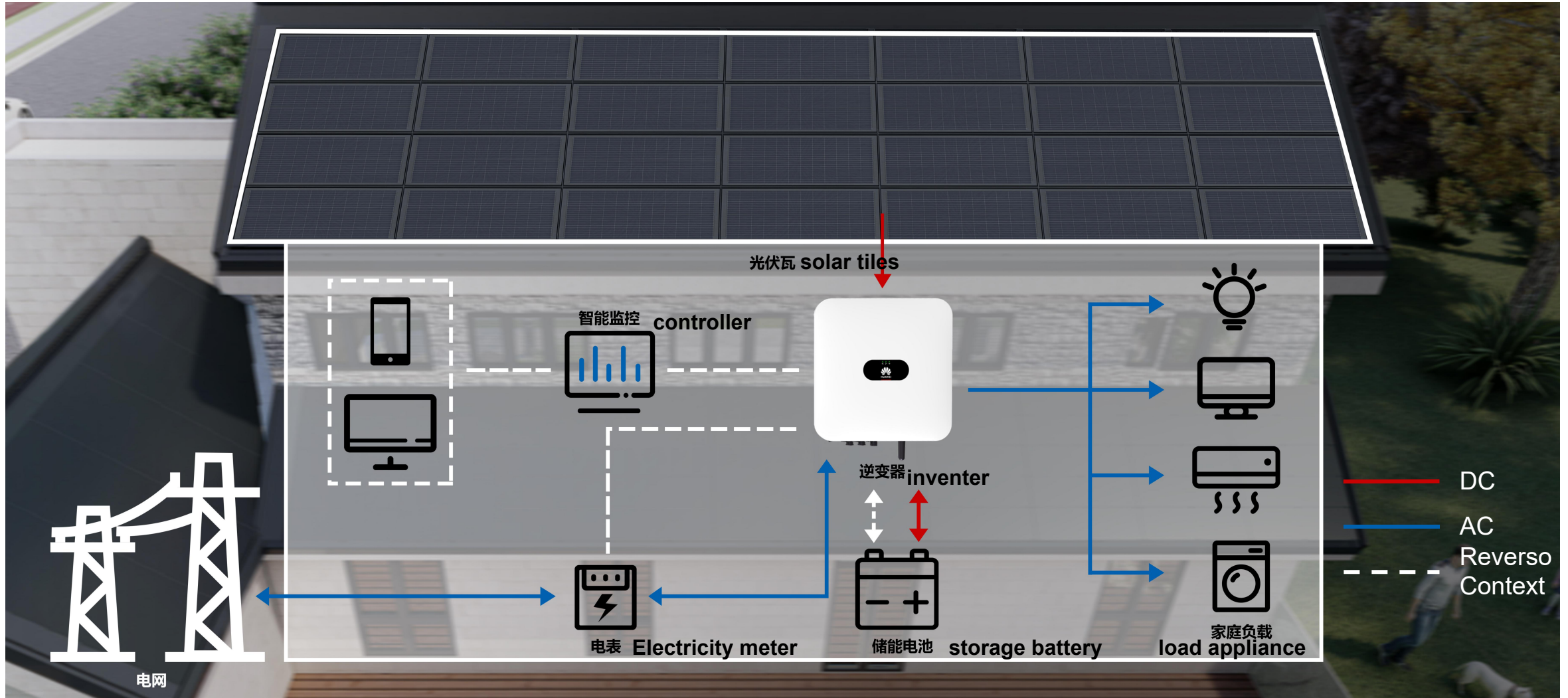


- ◆ Passed TUV salt spray/acid-base/accelerated aging/high and low temperature impact/ultraviolet environment test.
- ◆ Passed TUV hail impact/static load/fire/waterproof test



- ◆ Obtained the world's first BIPV Rheinland TUV certification and the first enterprise in the industry to obtain dual certification of TUV and CTC building materials.
- ◆ One of the first companies in China to have green building materials certification.

Electrical Schematic



Suitable Roof Type

Roof Type



Roof Installation Base



Application areas



New Building

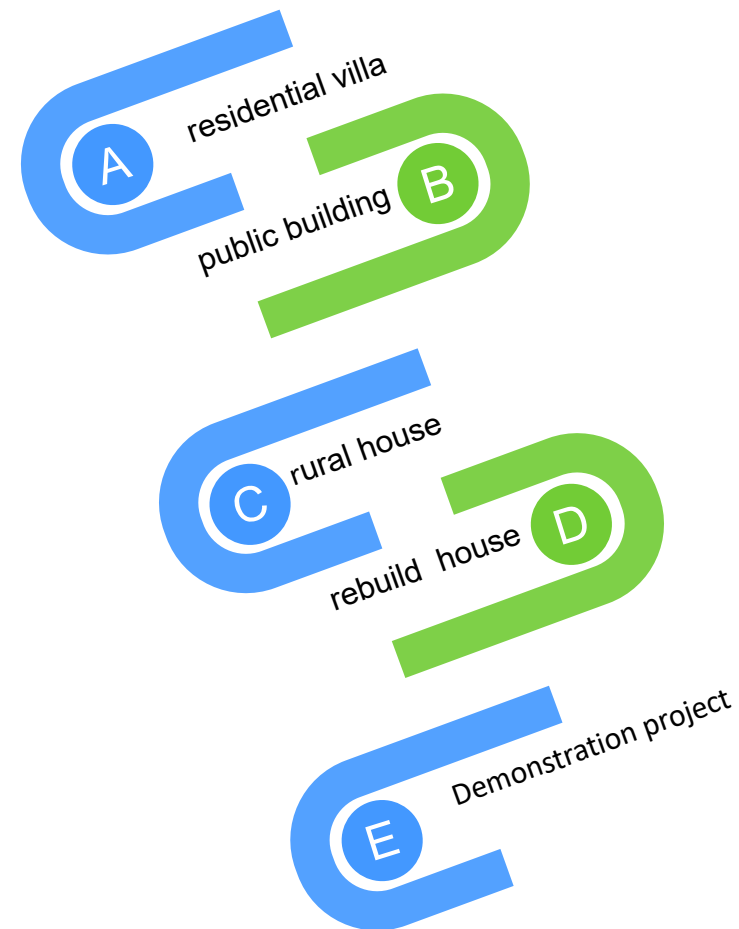


Rebuild Building



Demonstration Project

Roof installation form





Case Study



◆ Green Smart Ecological Town

Case Project

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◆ National Zero-Carbon Demonstration Village Solar Roofing System Project

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◆ Xi'an Residential Villa Solar Roofing System Project



Urban Beautician With Power Generation

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