

BIPV Solar Panel Specification



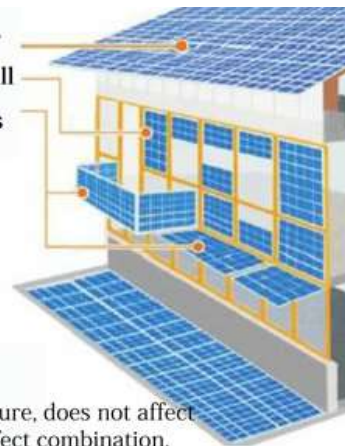
BIPV Introduction

BIPV ,Building integrated PV, is widely used in modern building curtain wall to reduce building energy consumption.

PV skylights

PV stand wall

Shade blinds
guardrail



Architectural aesthetics

Through design, junction boxes, cable hidden in the curtain wall structure, does not affect the exterior of the building, to achieve the purpose of building the perfect combination.

Architectural lighting

By adjusting the arrangement of cells to reach a specific transmission rate, to comply with the requirements of architectural glazing.

Safety performance

Made of two or more sheets of tempered glass and photovoltaic PVB, with a excellent impact resistance, durability, light transmittance and security.

Convenient installation

BIPV is double glass components and glass curtain wall closely integrated. Installation techniques and methods are the same as the ordinary glass curtain wall, it can fully meet the convenient installation requirements.

Long service life

BIPV Glazing Solar Module used in the PVB ratio of EVA has better heat, cold, moisture and anti-aging, impact resistance, so that the components have a longer service life.

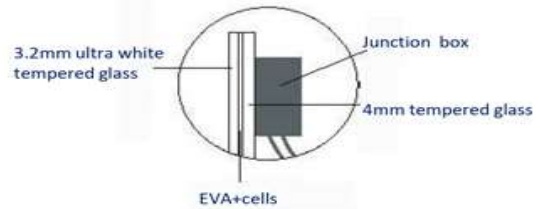
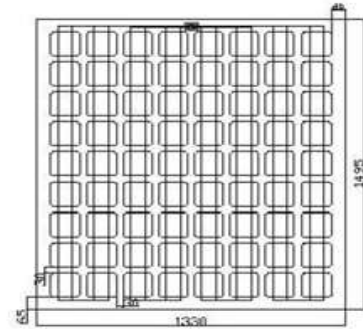
Green

BIPV components combined in the building, do not need to occupy the land area, noise-free, pollution-free. BIPV buildings can be spontaneous personal use electricity, reduce costs and loss of power transmission. BIPV buildings' power generation and peak synchronization can relieve peak demand for electricity in the national grid, has great social benefits.

Specification Details:

Module 1

Module Size (mm)	1330 × 1495 × 8.5
Cells	Monocrystalline 125, 8 × 9
Light Receiving Surface	3.2mm ultra white tempered
Backlight Surface	4mm tempered
Laminated film	EVA
Rated Power (W)	195
Vmp (V)	37.6
Imp (A)	5.19
Voc (V)	44.8
Isc (A)	5.49
Panel Eff.	9.9%
Transmittance	43%
Weight (kg)	42

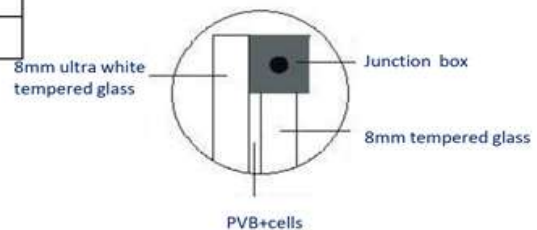
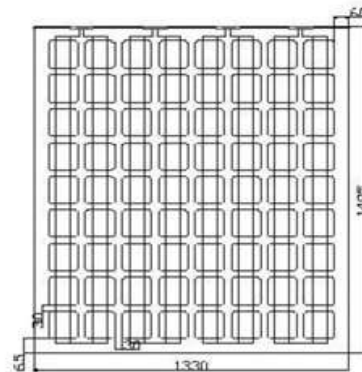


Application:

Mainly used in vegetable greenhouses.

Module 2

Module Size (mm)	1330 × 1495 × 13.5
Cells	Monocrystalline 125, 8 × 9
Light Receiving Surface	8mm ultra white tempered
Backlight Surface	8mm tempered
Laminated film	PVB
Rated Power (W)	180
Vmp (V)	36.8
Imp (A)	4.89
Voc (V)	44.6
Isc (A)	5.30
Panel Eff.	9%
Transmittance	43%
Weight (kg)	54

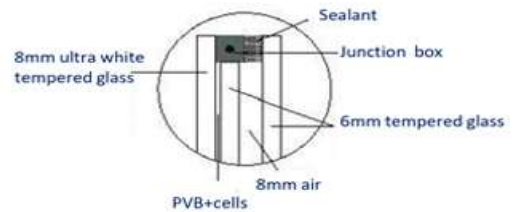
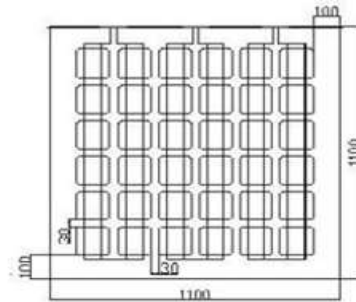


Application:

- 1, Used in a variety of roof, fence.
- 2, Building roof and building curtain wall

Module 3

Module Size (mm)	1100×1100×28
Cells	Monocrystalline 125, 6×6
Light Receiving Surface	8mm ultra white tempered
Backlight Surface	6mm tempered
Hollow layer	6mm tempered
Air layer	8mm
Laminated film	PVB
Rated Power (W)	90
Vmp (V)	18.5
Imp (A)	4.86
Voc (V)	22.2
Isc (A)	5.33
Panel Eff.	7.4%
Transmittance	53%
Weight (kg)	60

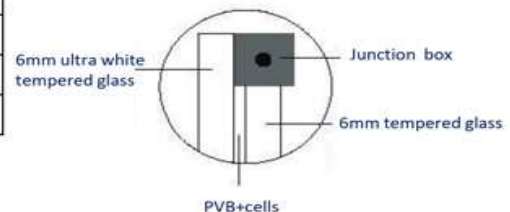
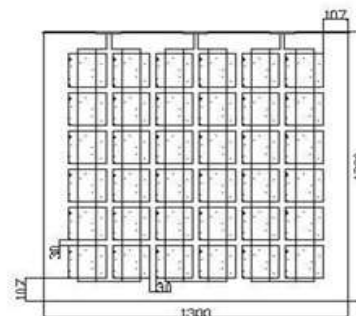


Application:

- 1, Greenhouses
- 2, Building roof and building curtain wall

Module 4

Module Size (mm)	1330×1300×13.5
Cells	Color polycrystalline 156, 6×6
Light Receiving Surface	6mm ultra white tempered
Backlight Surface	6mm tempered
Laminated film	PVB
Rated Power (W)	120
Vmp (V)	17.0
Imp (A)	7.1
Voc (V)	21.6
Isc (A)	7.6
Panel Eff.	7.14%
Transmittance	48%
Weight (kg)	55



Application:

- 1, Used in a variety of roof, fence.
- 2, Building roof and building curtain wall

Purchase Guide :

- 1.If you are not sure about structure of BIPV module,please refer to drawing 1.
Please make sure the type of cells,PVB or EVA,the max output power,working voltage and the transmittance.
- 2.Determine the mounting type,please refer to drawing 2.
- 3.If you have other requirements (punching holes in the glass,or glass coating),please refer to drawing 3.
- 4.If you are not sure about Junciton Box on the BIPV module,please refer to drawing 4.

