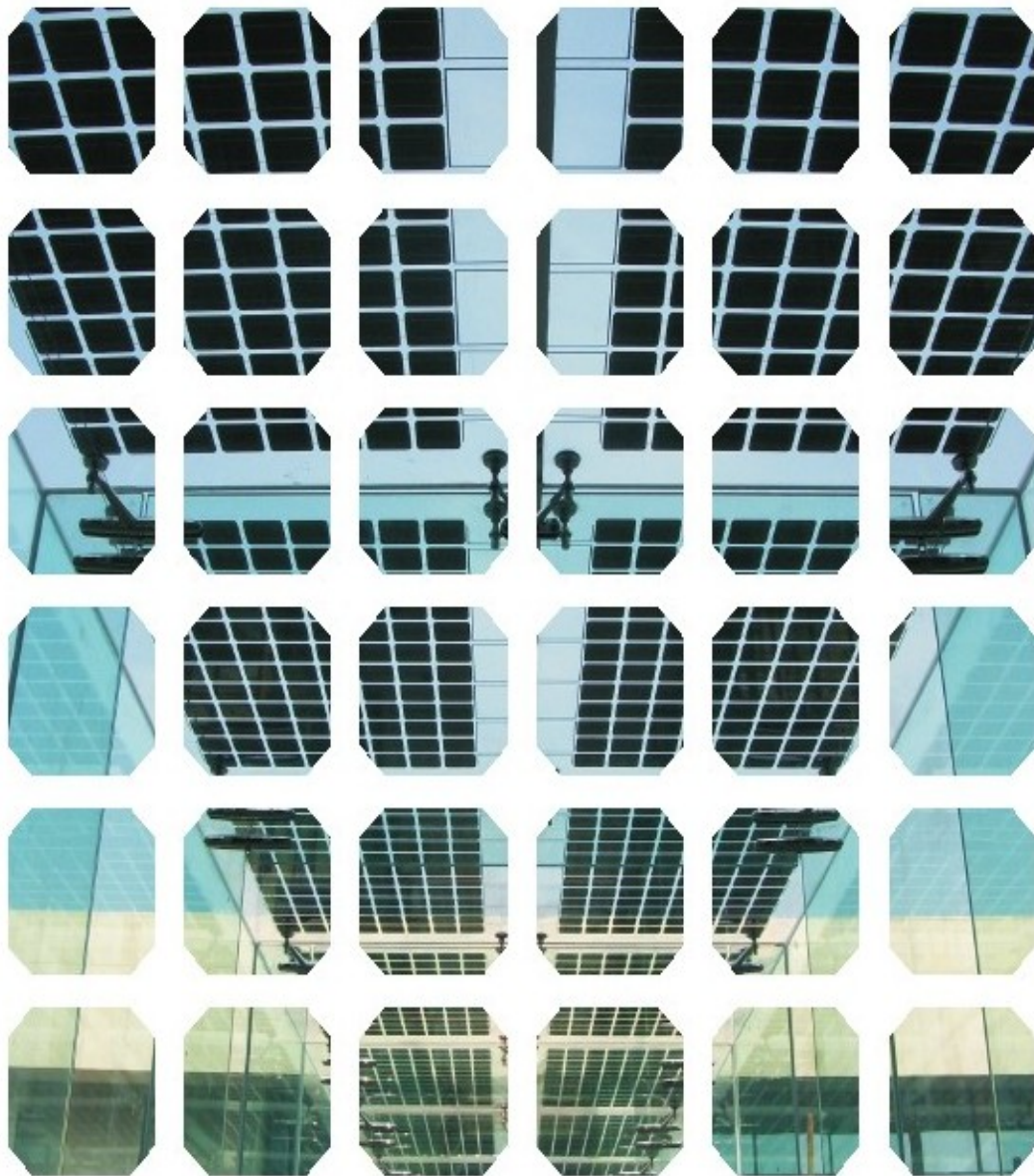


B7PV

Power World, Power life



BIPV means Building Intergrated PV

Architectural Aesthetics

Junction box, cable can be hidden in curtain wall under the professional design. At last it will not effect building appearance and be a perfect blending of nature and construction

Architectural Lighting

We can adjust cell array to reach a reasonable transparence to meet architectural lighting.

Safety Performance

Usually we adopt two piece or more tempering glass to finish BIPV. It have good impact resistance, durability, transparency, safety.

Easy installation

BIPV is made from double glass solar panel and glass curtain wall. In terms of the installation technology and method they are similar to common glass curtain wall and can reach convenient installation requirements completely.

Long life

PVB in BIPV has better heat resistance, cold resistance, temperature resistance, moisture proof and anti-aging, impact resistance, and ultimately make BIPV have longer service life than EVA.

Green & Environmental Protection

BIPV is intergrated in the building and do not need to occupy land area, no noise, no pollution. BIPV buildings can be their own power to their own use, reduce power delivery costs and loss. BIPV buildings power generation and power peak has synchronicity and can relieve the state grid peak power demand. It has the great social benefits.

Product Type

Double Glazing BIPV:

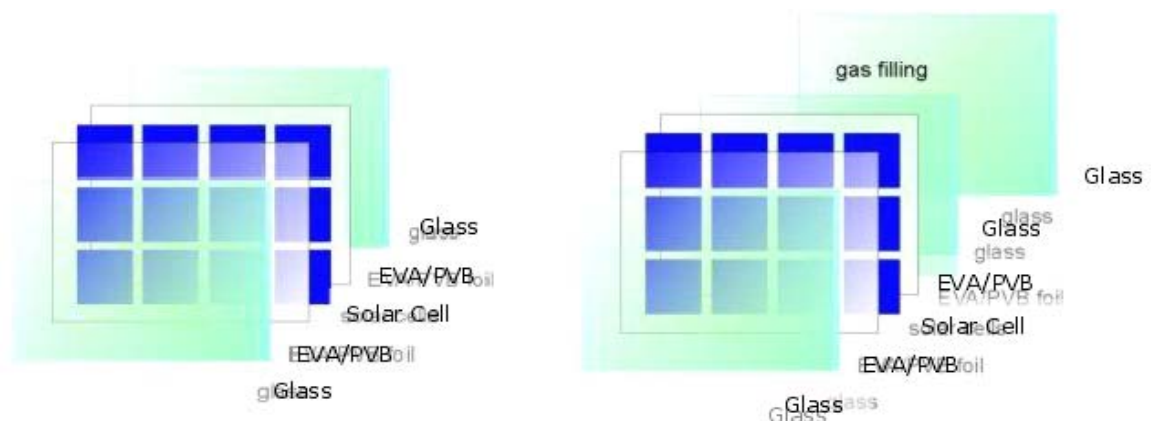
1. Use double glazing with 3mm, 4mm, 5mm, 6mm, 8mm, 10mm thickness
2. Adopt the imported PVB, which have durability, transparency.
3. Can be customized
4. Economic and can be used widely.

Application Range:

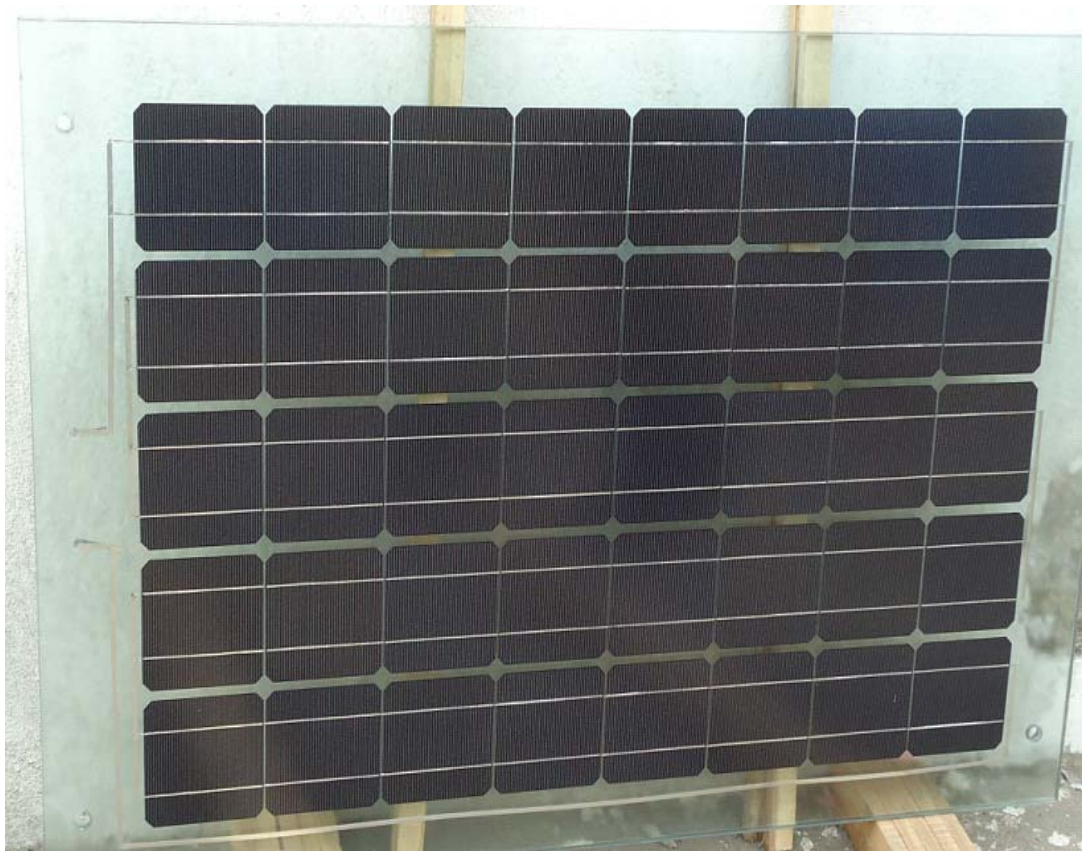
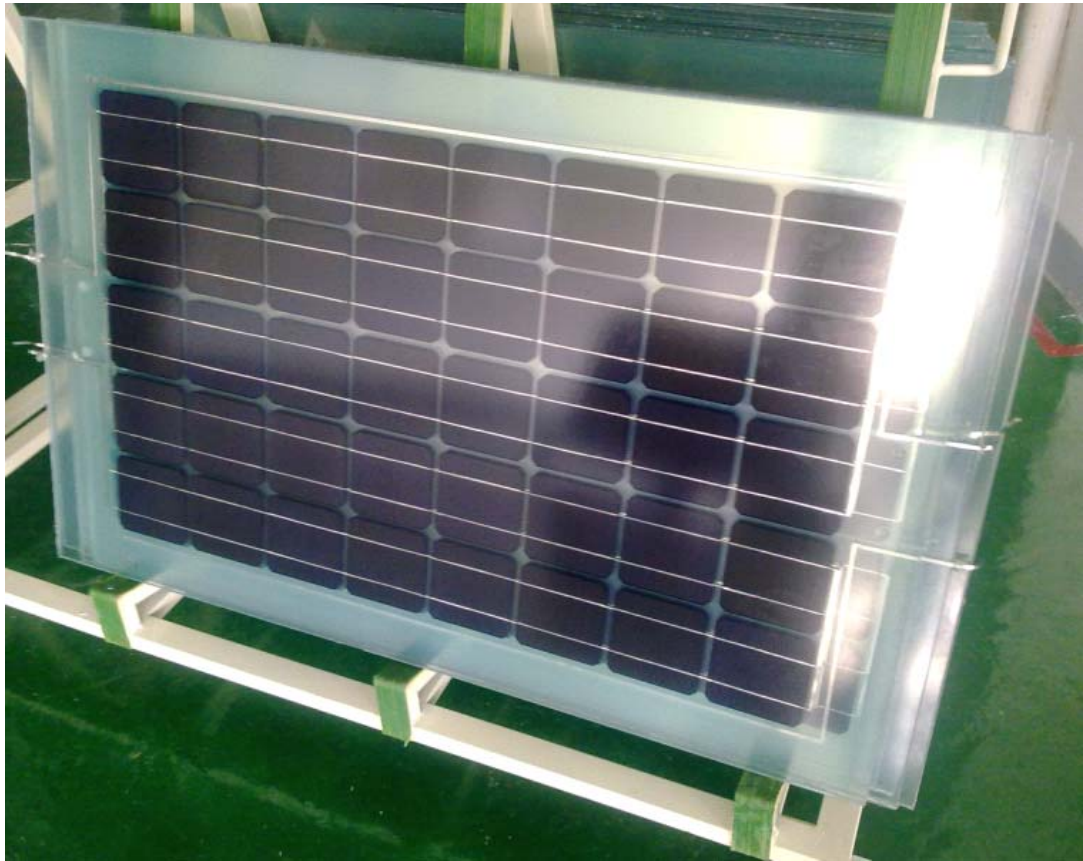
Pavilion, Shed, Bus Platform, greenhouse, Building guardrail, Building roof, Building photovoltaic curtain wall; Ideal for roof, skylight, and facade so forth, enough sunlight radiate through space of solar cells, can generate electricity as well as absorb sunshine.

Specification, power rating and transparency of one solar panel according to actual architecture structure can be changed freely.

Structure Component:



Pictures:



BYPV (Hollow BIPV):

1. Use three layers or four layers tempering glass with 3mm, 4mm, 5mm, 6mm, 8mm, 10mm thickness
2. Adopt the imported PVB, which have durability, transparency.
3. Can be customized
4. Has a good sound insulation, heat insulation and enable the building more energy conservation and environmental protection

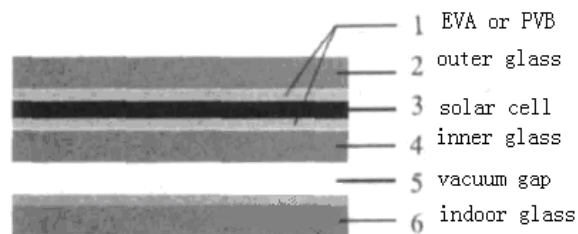
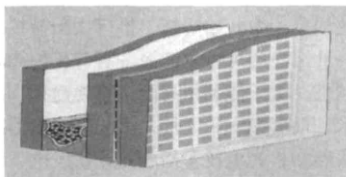
Application Range:

Greenhouse, Building Roof, Building Photovoltaic Curtain Wall. Ideal for Roof, Skylight and Facade. Enough sunlight radiate through space of solar cells can generate electricity as well as absorb sunshine.

BYPV, there are solar cells between the outer glass and inner glass and stick them to encapsulant (EVA or PVB). Between inner glass and indoor glass, there is a vacuum gap with division bar which can keep warm in door, sound and heat to insulate.

Actually, in the base of double glazing panel, BYPV panel just add one vacuum gap.

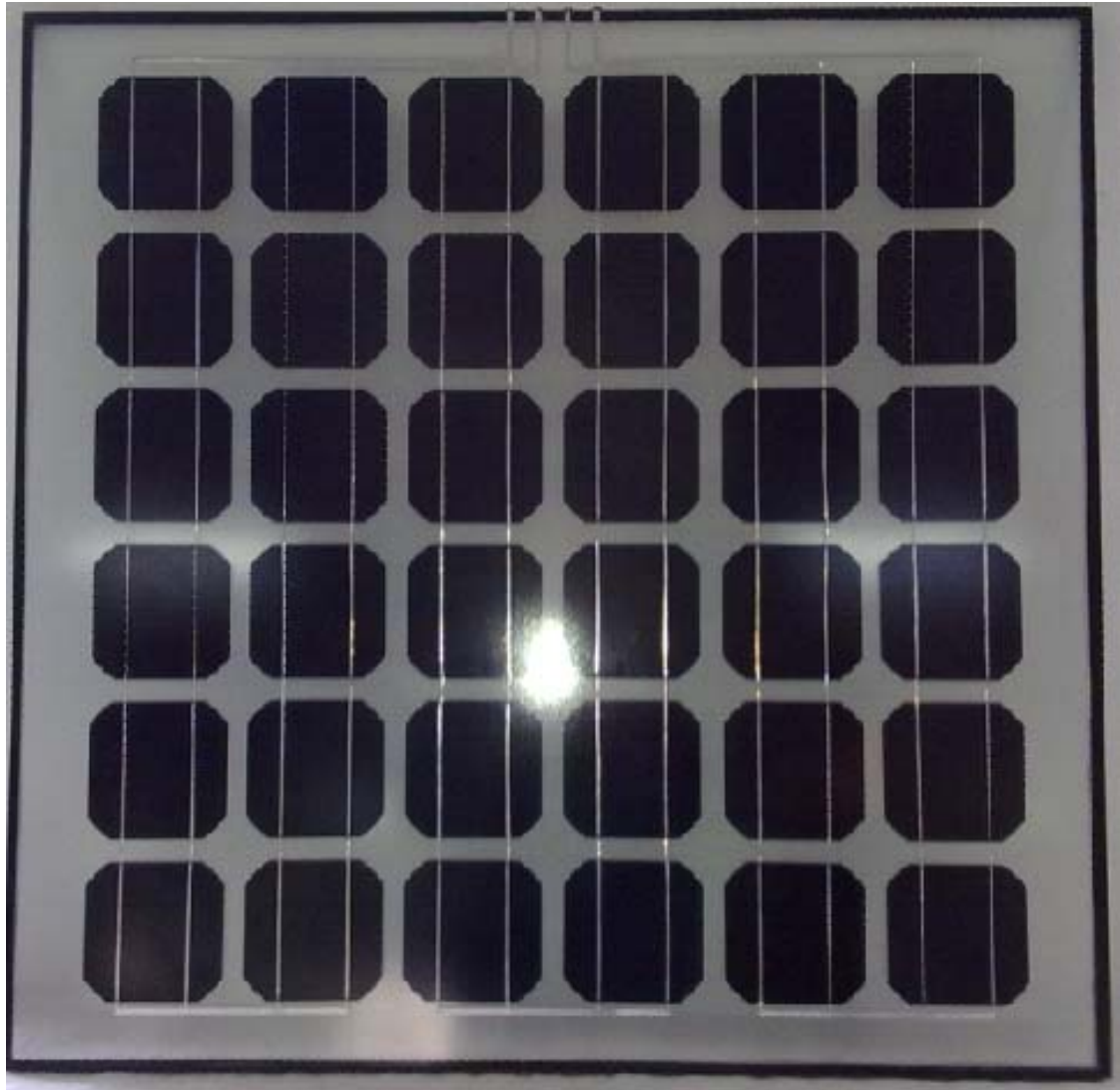
Please see the as follows:

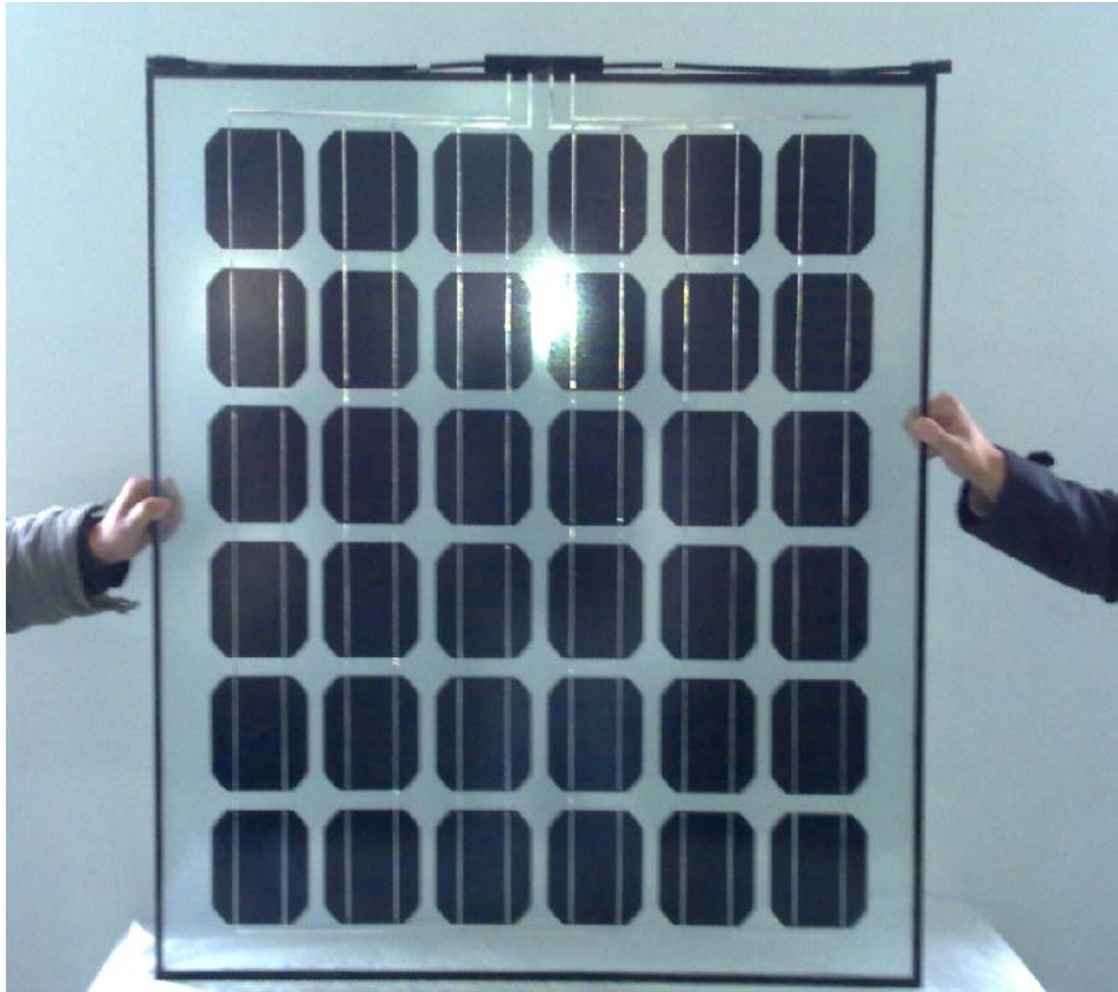


BYPV

Pictures:







Colourful BIPV:

1. Use tempering glass with 3mm, 4mm, 5mm, 6mm, 8mm, 10mm thickness
2. Adopt the imported PVB, which have durability, transparency.
3. Can be customized
4. All kinds of colourful solar cells and beautify building.

Application range:

Pavilion, Shed, Bus Platform, Greenhouse, Building Guardrail, Building Roof, Building Photovoltaic Curtain Wall

Picture:



BIPV Design:

Dimensions:

300 X 300mm to 2000 X 2500mm

Glass:

1. Thickness: 3.2mm, 4mm, 6mm, 8mm.
2. Kinds: tempered glass, ultra white tempered glass

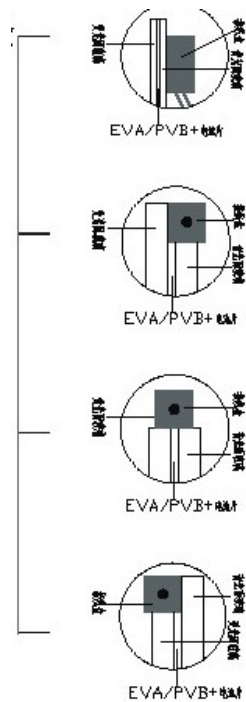
Cell:

125 Mono solar cells, 156 Mono Solar Cell, 156 Poly Solar Cell, & Colourful 156 Poly Solar Cell.

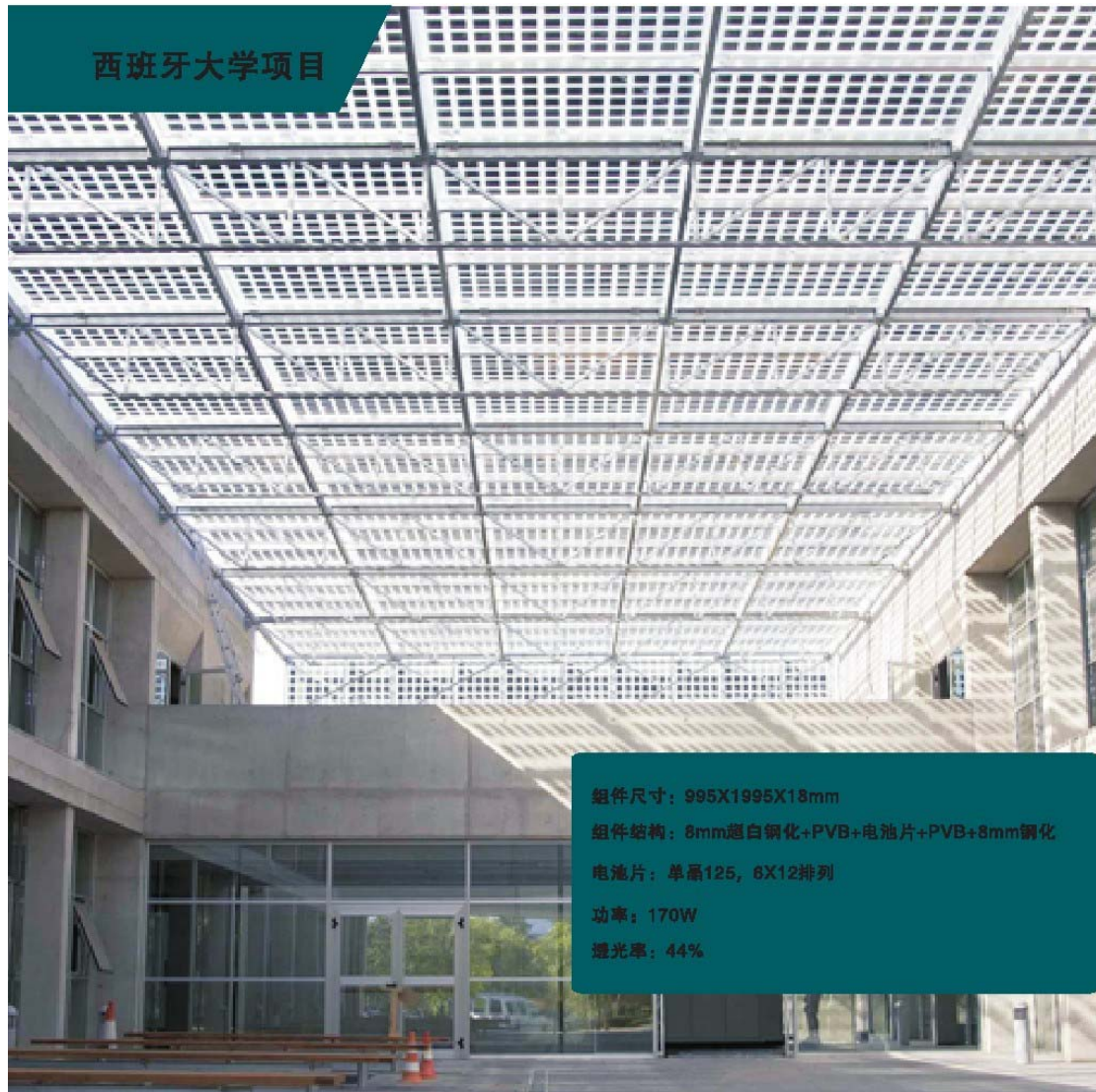
Structure:

Double glazing glassBIPV , three layer hollow BIPV, four layer hollow BIPV

Junction Box:



Engineering Projects:



Place: Spain

Size: 995 X 1995 X 18mm

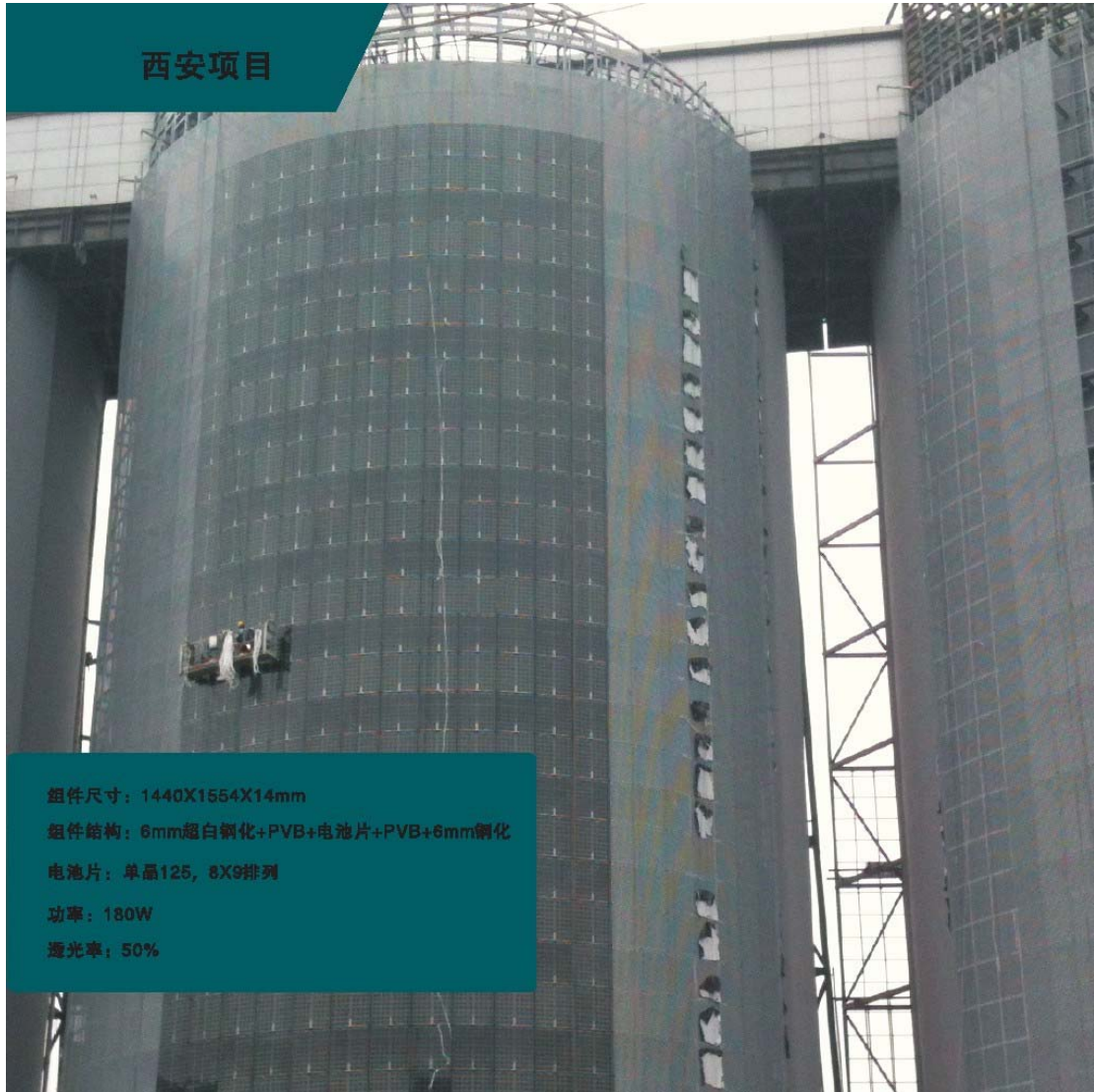
Structure: 8mm tempered glass + PVB + cell + PVB + 8mm tempered glass

Cell: 125 X 125 Mono Solar Cell, (6 X 12) 72cells

Power: 170W

Transparence: 44%

西安项目



组件尺寸: 1440X1554X14mm

组件结构: 6mm超白钢化+PVB+电池片+PVB+6mm钢化

电池片: 单晶125, 8X9排列

功率: 180W

透光率: 50%

Place: China

Size: 1440 X 1554 X 14mm

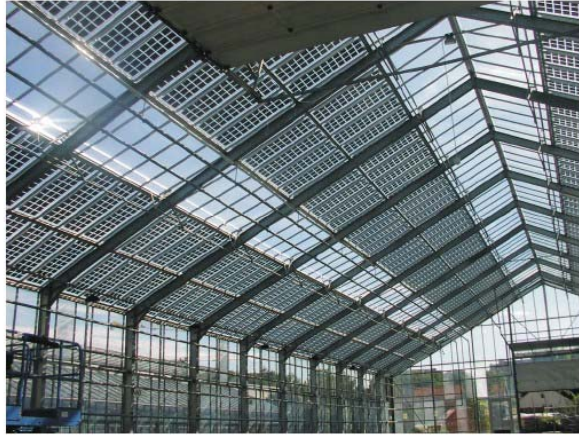
Structure: 6mm ultra white tempered glass + PVB + cell + PVB + 6mm tempered glass

Cell: 125 X 125 Mono Solar Cell, (6 X 9) 54cells

Power: 180W

Transparence: 50%

瑞典花房项目



组件尺寸: 728X2200X11mm
组件结构: 3.2mm超白绒面钢化玻璃+
EVA+电池片+EVA+6mm
钢化玻璃
电池片: 多晶156, 3X11排列
功率: 125W
透光率: 50%

Place: Swden

Size: 728 X 2200 X 11mm

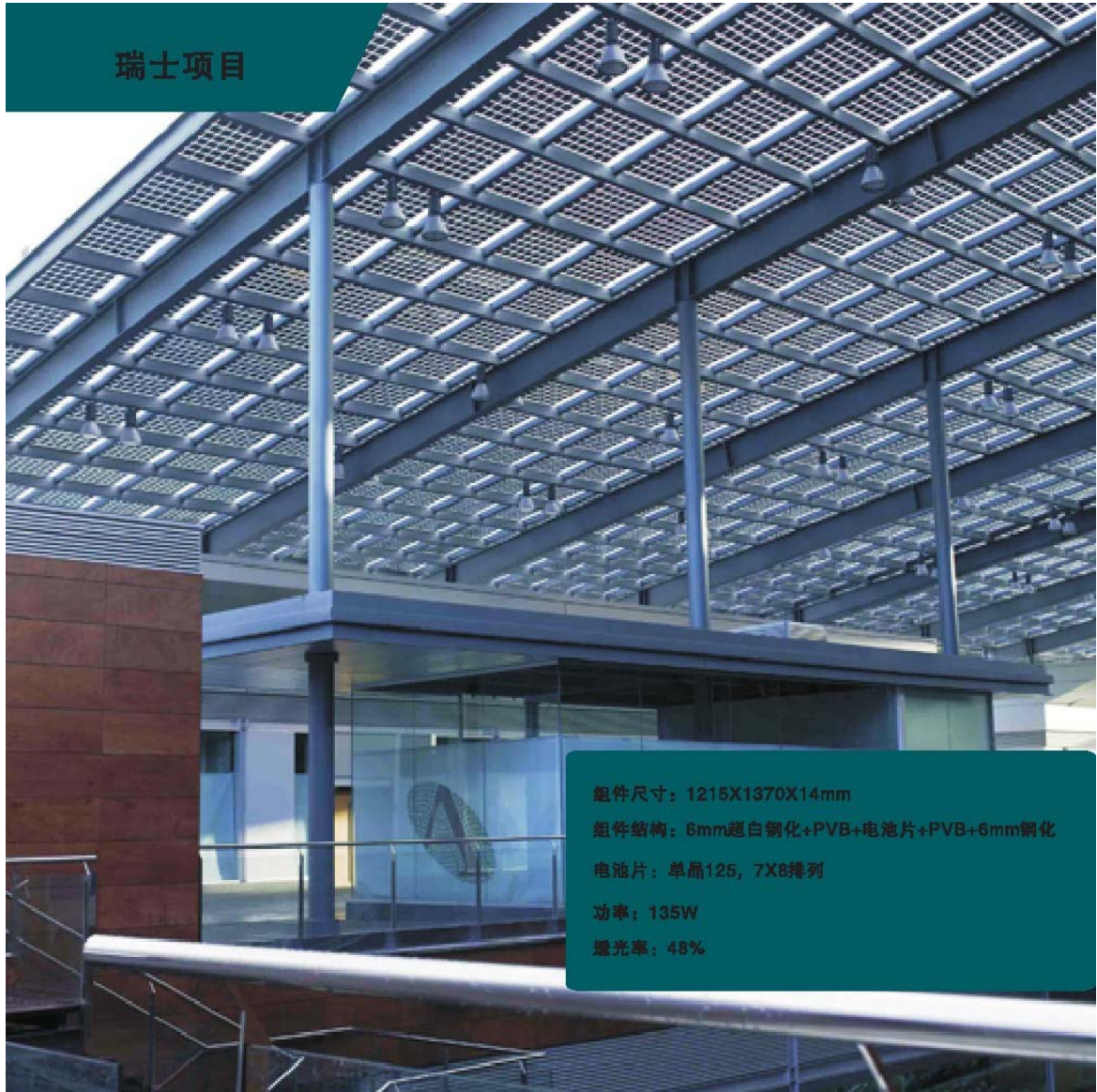
Structure: 3.2mm ultra white tempered glass + PVB + cell + PVB + 6mm tempered glass

Cell: 156 X 156 Poly Solar Cell, (3 X 11) 33cells

Power: 125W

Transparence: 50%

瑞士项目



组件尺寸: 1215X1370X14mm

组件结构: 6mm超白钢化+PVB+电池片+PVB+6mm钢化

电池片: 单晶125, 7X8排列

功率: 135W

透光率: 48%

Place: Switzerland

Size: 1215 X 1370 X 14mm

Structure: 6mm ultra white tempered glass + PVB + cell + PVB + 6mm tempered glass

Cell: 125 X 125 Mono Solar Cell, (7 X 8) 56cells

Power: 135W

Transparence: 48%

BIPV彩色双玻项目



组件尺寸: 1240X1800X14mm

组件结构: 6mm超白钢化+PVB+电池片+PVB+6mm钢化

电池片: 彩色多晶156, 6X9排列

功率: 180W

透光率: 40%

Place: China

Size: 1240 X 1800 X 14mm

Structure: 4mm ultra white tempered glass + PVB + cell + PVB + 6mm tempered glass

Cell: 156 X 156 Colourful Poly Solar Cell, (6 X 9) 54cells

Power: 180W

Transparence: 40%

Thanks!

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