

Best solution  
Better integration

# BIPV SPANDREL

## PV Spandrels

### MATERIALS

- 6 mm tempered glass  
high-transparency
- 0.76 mm PVB layer
- 0.21 mm PhotoVoltaic cells
- 0.76 mm PVB layer
- 6 mm tempered glass

### Composition:

#### 12 CELLS PV PANEL

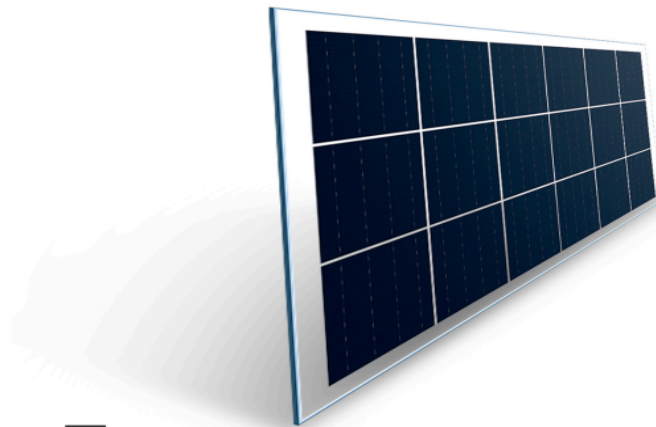
Size: 700 x 600 x 14 mm  
Weight: 13.9 kg  
Matrix: 4 x 3  
Transparency: 29.8 %  
Power:  
M156-12-65W  
P156-12-55W

#### 18 CELLS PV PANEL

Size: 1100 x 600 x 14 mm  
Weight: 21.7 kg  
Matrix: 6 x 3  
Transparency: 33.0 %  
Power:  
M156-18-100W  
P156-18-85W

#### 24 CELLS PV PANEL

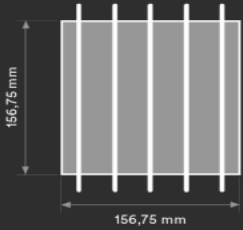
Size: 1400 x 600 x 14 mm  
Weight: 27.6 kg  
Matrix: 8 x 3  
Transparency: 29.8 %  
Power:  
M156-24-130W  
P156-24-115W



**T**he **photovoltaic** spandrels are an alternative form to replace the materials which traditionally are only used in the construction to generate **shades**.

# BIPV

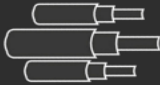
One of the great advantages of Solar architectural integration **photovoltaic** glasses is that they act as a filter for ultraviolet and infrared radiation, both harmful to health, in addition to generating clean and **free energy** thanks to the sun.



- sc-Si PV
- 5bb connection
- high efficiency

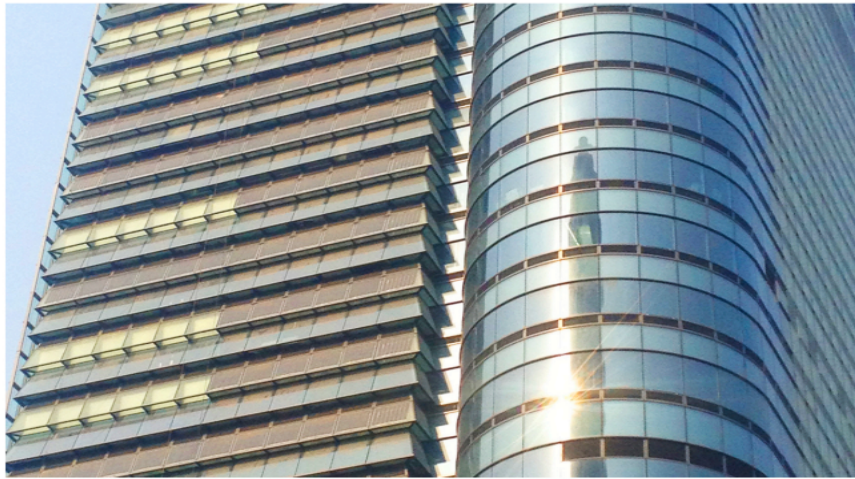
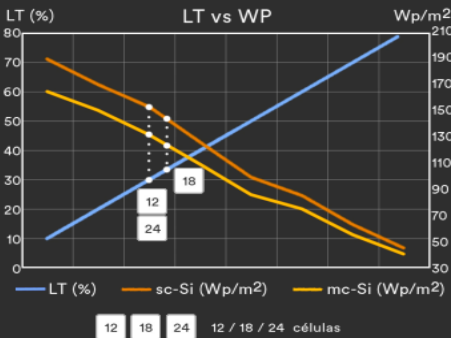
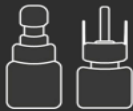
**Cable:**

4 mm<sup>2</sup>



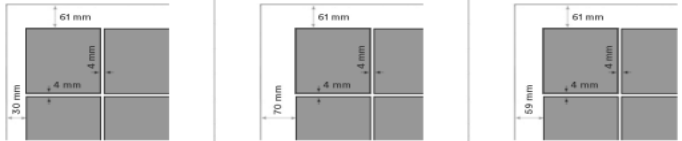
**Connectors:**

Type 3  
Type 4



## 4 models

Model	BIPV-CT-M156-18	BIPV-CT-P156-18	BIPV-CT-M156-18	BIPV-CT-P156-18	BIPV-CT-M156-24	BIPV-CT-P156-24
Cell type	Monocrystalline	Polycrystalline	Monocrystalline	Polycrystalline	Monocrystalline	Polycrystalline
Cells number	12 uds	12 uds	18 uds	18 uds	24 uds	24 uds
Cell size	156.75 x 156.75 mm	156.75 x 156.75 mm	156.75 x 156.75 mm	156.75 x 156.75 mm	156.75 x 156.75 mm	156.75 x 156.75 mm
Size	700 x 600 mm	700 x 600 mm	1100 x 600 mm	1100 x 600 mm	1400 x 600 mm	1400 x 600 mm
Thickness	14 mm	14 mm	14 mm	14 mm	14 mm	14 mm
Area	0.42 m <sup>2</sup>	0.42 m <sup>2</sup>	0.66 m <sup>2</sup>	0.66 m <sup>2</sup>	0.84 m <sup>2</sup>	0.84 m <sup>2</sup>
Power	65 Wp	55 Wp	100 Wp	85 Wp	130 Wp	115 Wp
Transparency	29.8 %	29.8 %	33.0 %	33.0 %	29.8 %	29.8 %



**+ Energy + Saving - Outlay - CO<sub>2</sub>**



2014/35/EU  
EN 50583-1



ISO 9001  
ISO 14001  
ISO 45001



IEC/EN 61215  
IEC/EN 61730  
IEC/EN 63092



nZEB Nearly  
Zero Energy  
Buildings



Fast Return Of  
Investment  
material



High  
satisfaction



ISO 1064  
Protocolo GHG



12/25 years  
guarantee



High  
resistance



WEEE  
2002/96/CE



Photovoltaic  
Architecture



Low  
deterioration



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