

Best solution  
Better integration

# BIPV MASONRY

## PV Panel

### MATERIALS

- 3 - 12 mm tempered glass  
high-transparency
- 0.76 mm PVB layer
- 0.21 mm PhotoVoltaic cells
- 0.76 mm PVB layer
- 3 - 12 mm tempered glass

### COMPOSITION



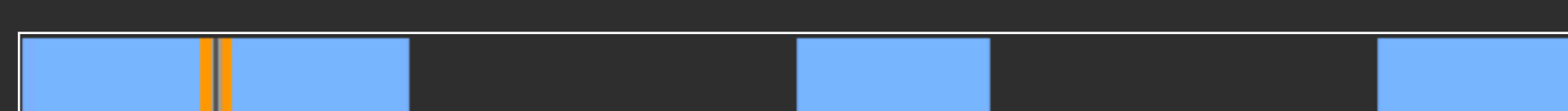
### Insulation Chamber/s:

- 6/9/12/15 mm (air/argon)

PV IC Glass



PV IC Glass IC Glass



### Size:

Min: 180 x 180 mm  
Max: 1200 x 2300 mm

### Power:

Min: 150 Wp/m<sup>2</sup>  
Max: 200 Wp/m<sup>2</sup>

**S**olar Innova digital printing masonry imitation photovoltaic panels are a perfect solution as they constitute a range of active technological glass capable to generate electrical energy, which can be used in new construction and renovation buildings, allowing electrical autonomy and energy savings.

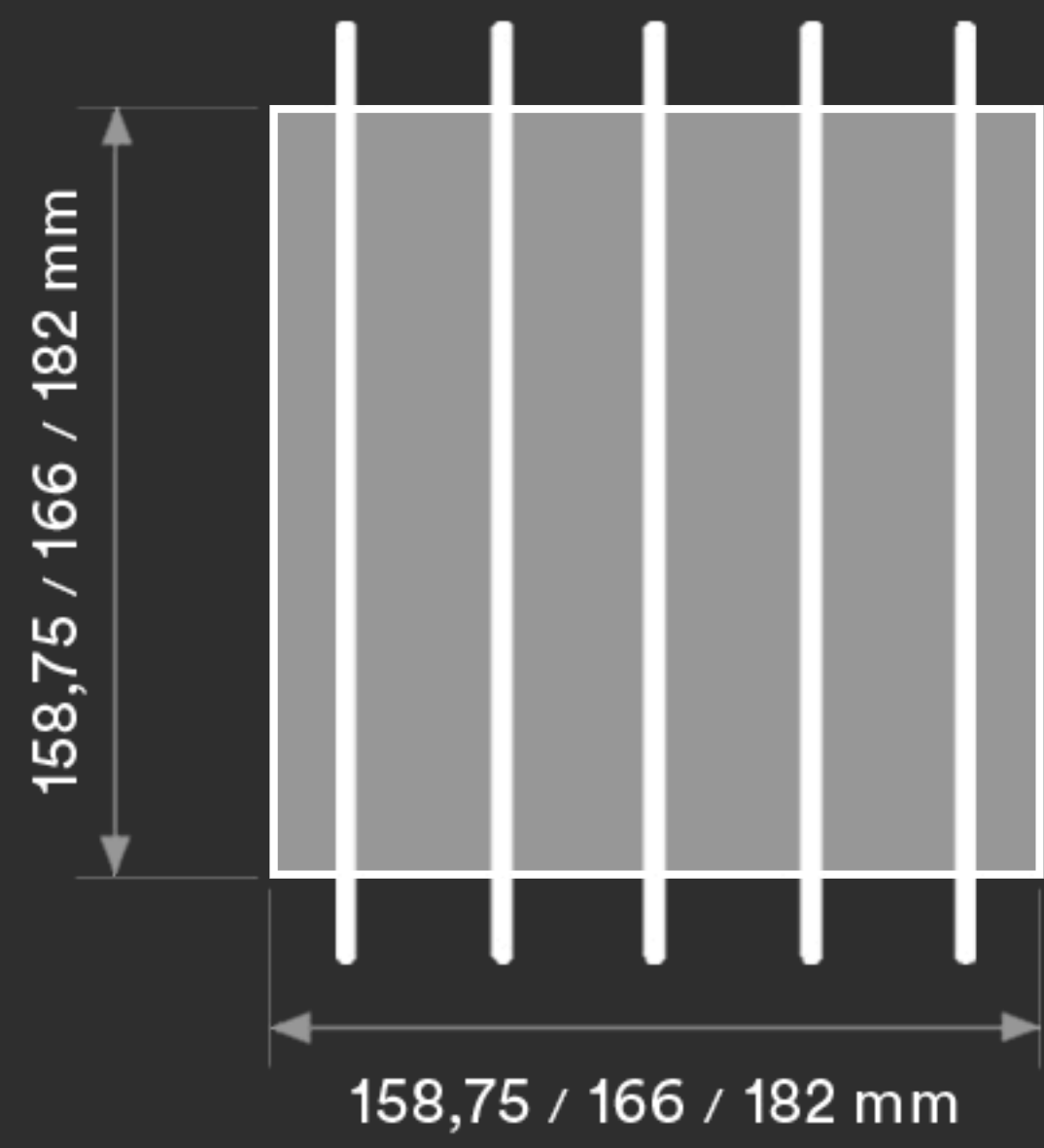
BIPV  
ISRAEL





# BIPV

The architectural **integration** of photovoltaic solar panels in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional** novelty, generate electrical energy.



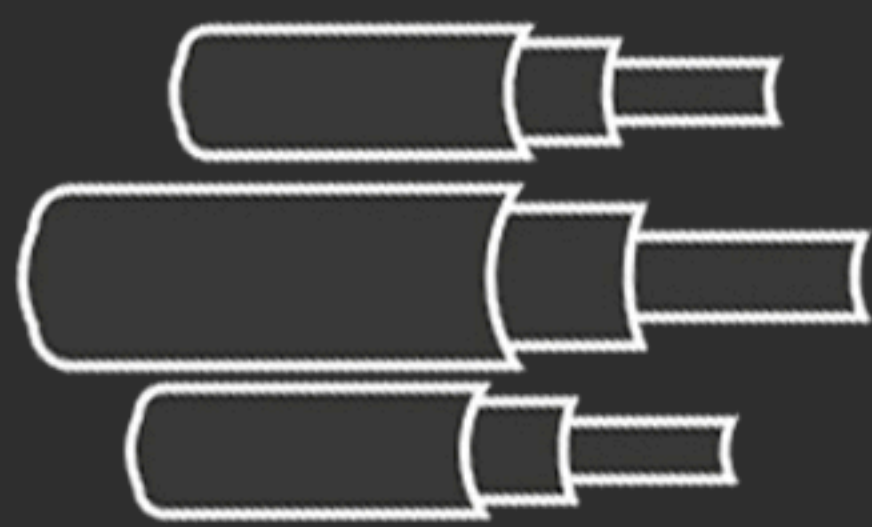
Monocrystalline  
• sc-Si PV  
• 5bb connection  
• high efficiency

### Junction Box:

Border  
Back

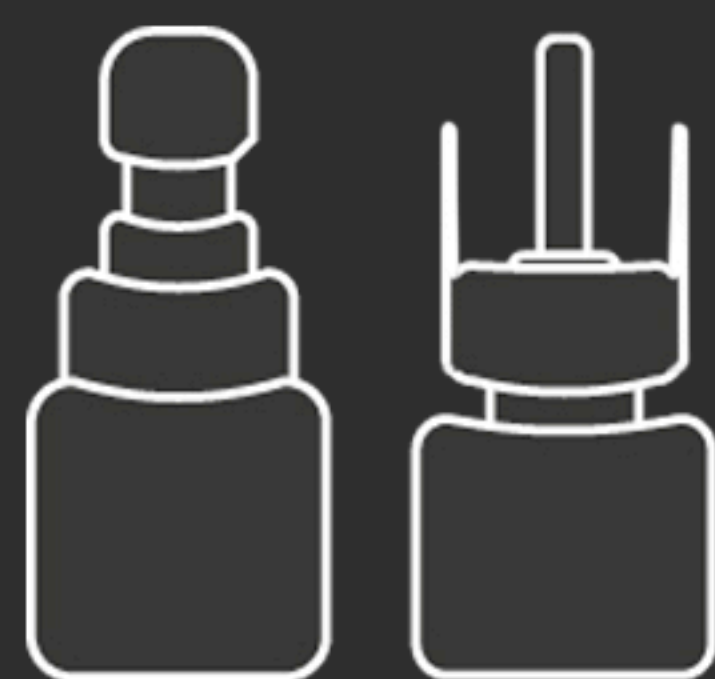
### Cable:

4 mm<sup>2</sup>



### Connectors:

Type 3  
Type 4



**Texture 1**

**Texture 2**

**Texture 3**



**Texture 4**

**Texture 5**

**Texture 6**



**Texture 7**

**Texture 8**

**Texture 9**

**+ 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

 nZEB Nearly  
Zero Energy  
Buildings

 ISO 1064  
GHG Protocol

 WEEE  
2002/96/CE

 Fast Return Of  
Investment  
material

 12/25 years  
guarantee

 Photovoltaic  
Architecture

 High  
satisfaction

 High  
resistance

 100%  
0 ... 25  
Low  
deterioration