

Best solution  
Better integration

# PVNB

## Photovoltaic Noise Barrier

### PV Panel

#### MATERIALS

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

#### Composition:



#### 100 158 CELLS

Size: 2000 x 2000 x 24 mm  
Weight: 216.9 kg  
Matrix: 10 x 10  
Transparency: 37.0 %  
Power: 546 W

#### 64 158 CELLS

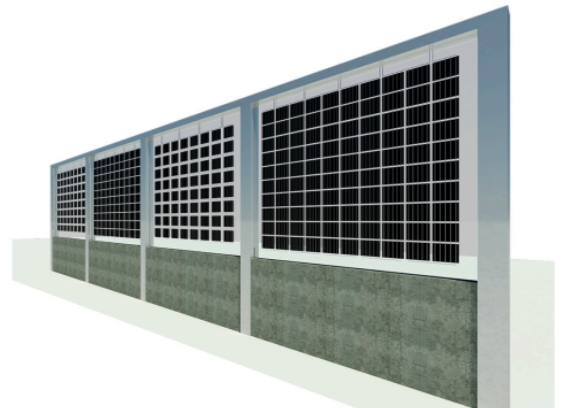
Size: 2000 x 2000 x 24 mm  
Weight: 216.9 kg  
Matrix: 8 x 8  
Transparency: 59.7 %  
Power: 349 W

#### CUSTOMIZED

Made to measure



**P**hotovoltaic **noise barriers** are physical obstructions with BIPV panels designed to produce renewable energy and also reduce the noise level between noise sources and places like hospitals, schools and **residential areas** ...

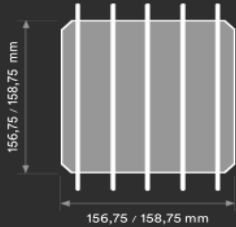


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Web: <http://www.agstech.net>

# BIPV

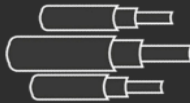
The architectural **integration** of photovoltaic solar panels in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional novelty**, generate electrical energy.



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

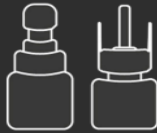
## Cable:

4 mm<sup>2</sup>



## Connectors:

Type 3  
Type 4

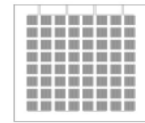
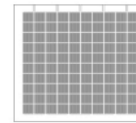


## Junction Box:

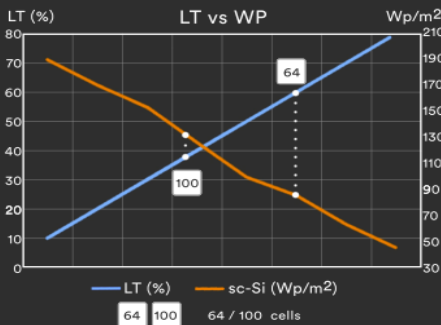
Border  
Back



## LANDSCAPE INTEGRATION



Model	PVNB-CT-M158-100	PVNB-CT-M158-64
Cell type and size	Monocrystalline 156.75 x 158.75 mm	Monocrystalline 158.75 x 158.75 mm
Cells number	100 uds	64 uds
Size	2000 x 2000 x 24 mm	2000 x 2000 x 24 mm
Power	646 Wp	349 Wp
Transparency	37.0 %	59.7 %



- ✓ Raising awareness by betting on renewable energy
- ✓ Integration of renewable energy in urban environments
- ✓ Advantage of unused areas
- ✓ Amortization of economic investments

**+ 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  
GHG Protocol



12/25 years  
guarantee



High  
resistance



WEEE  
2002/96/CE



Photovoltaic  
Architecture



Low  
deterioration



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