

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

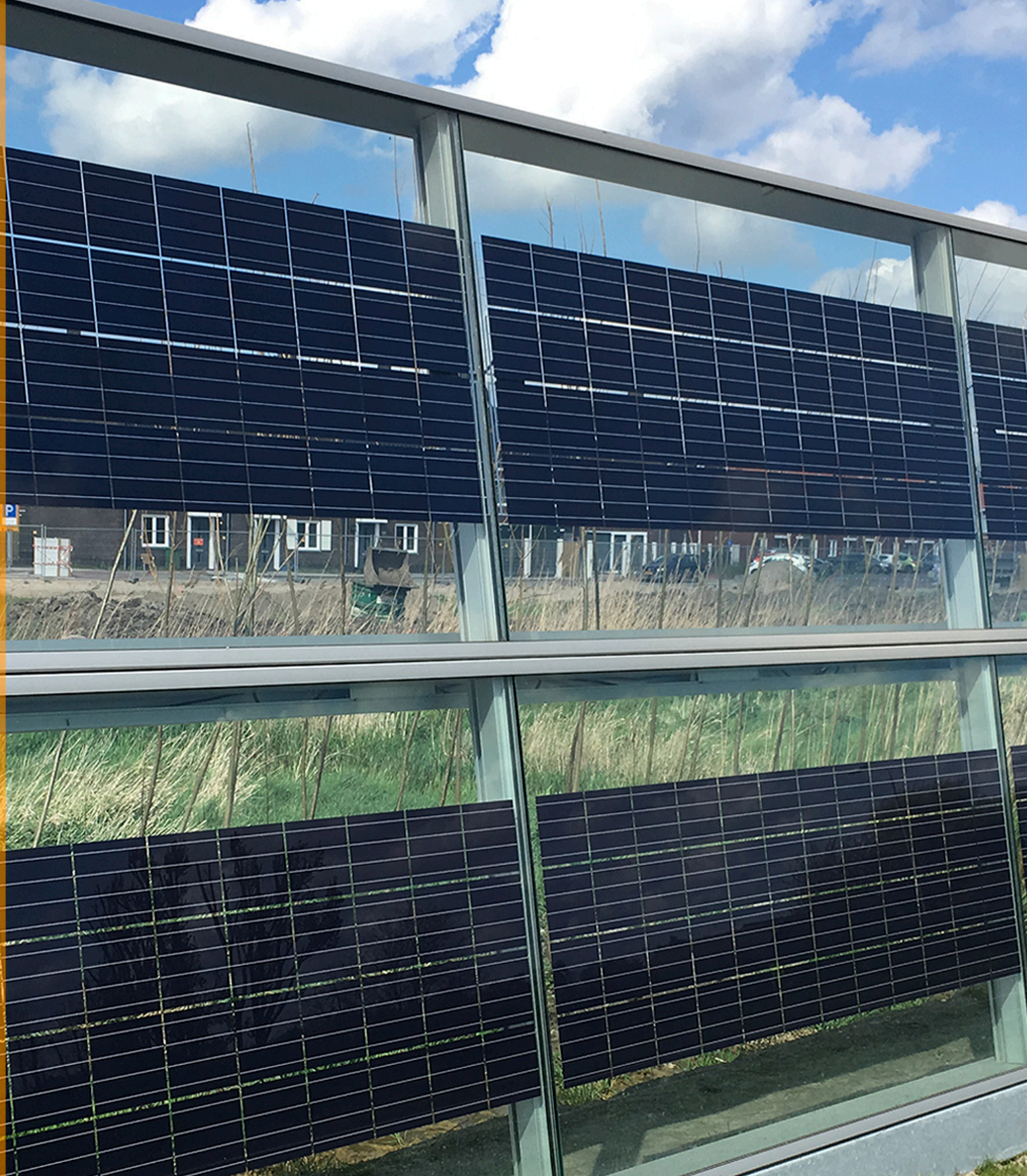
Size: 2000 x 2000 x 24 mm  
Weight: 216.9 kg  
Matrix: 10 x 10  
Transparency: 37.0 %  
Power: 546 W

### 64 158 CELLS

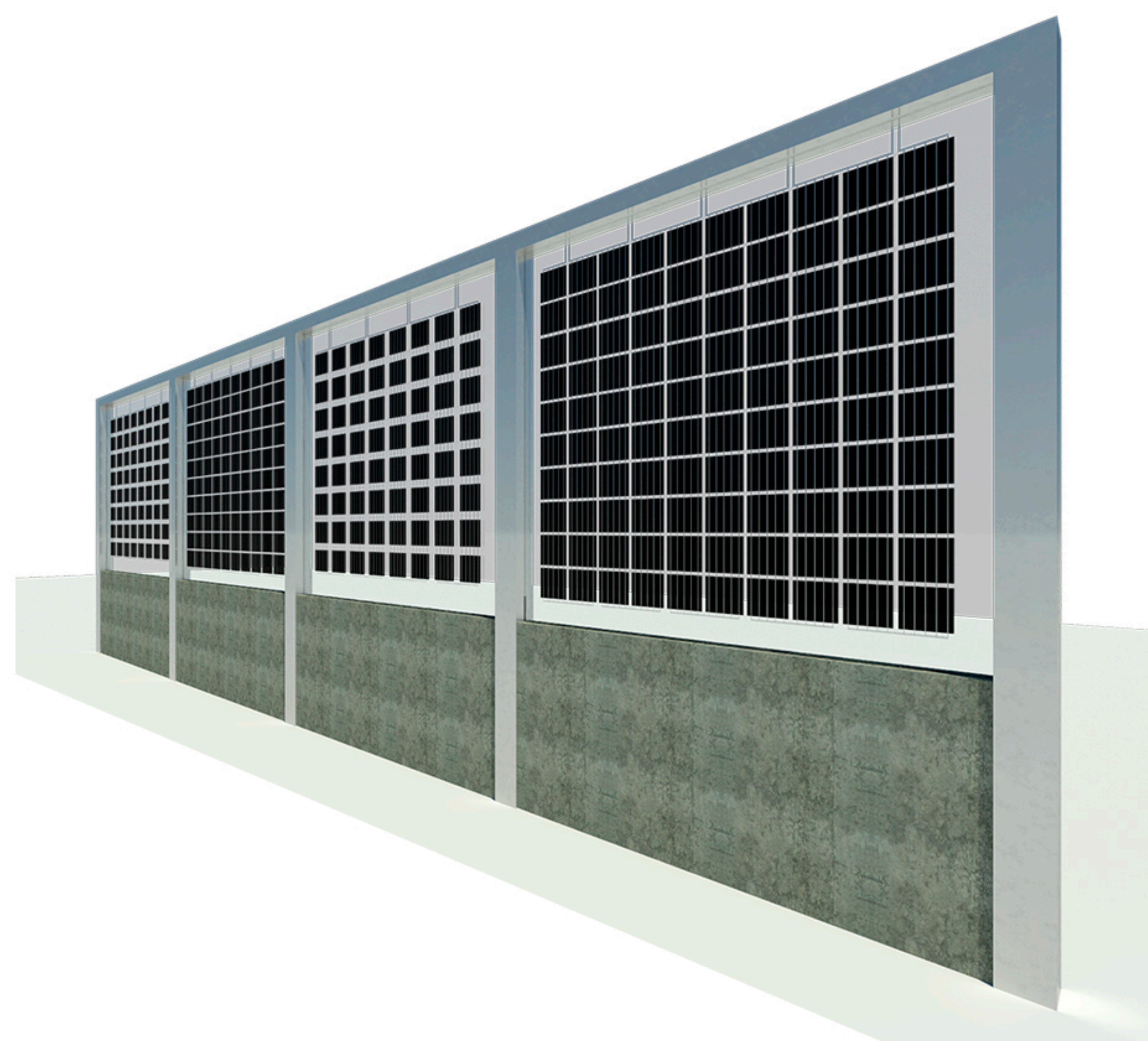
Size: 2000 x 2000 x 24 mm  
Weight: 216.9 kg  
Matrix: 8 x 8  
Transparency: 59.7 %  
Power: 349 W

### CUSTOMIZED

Made to measure

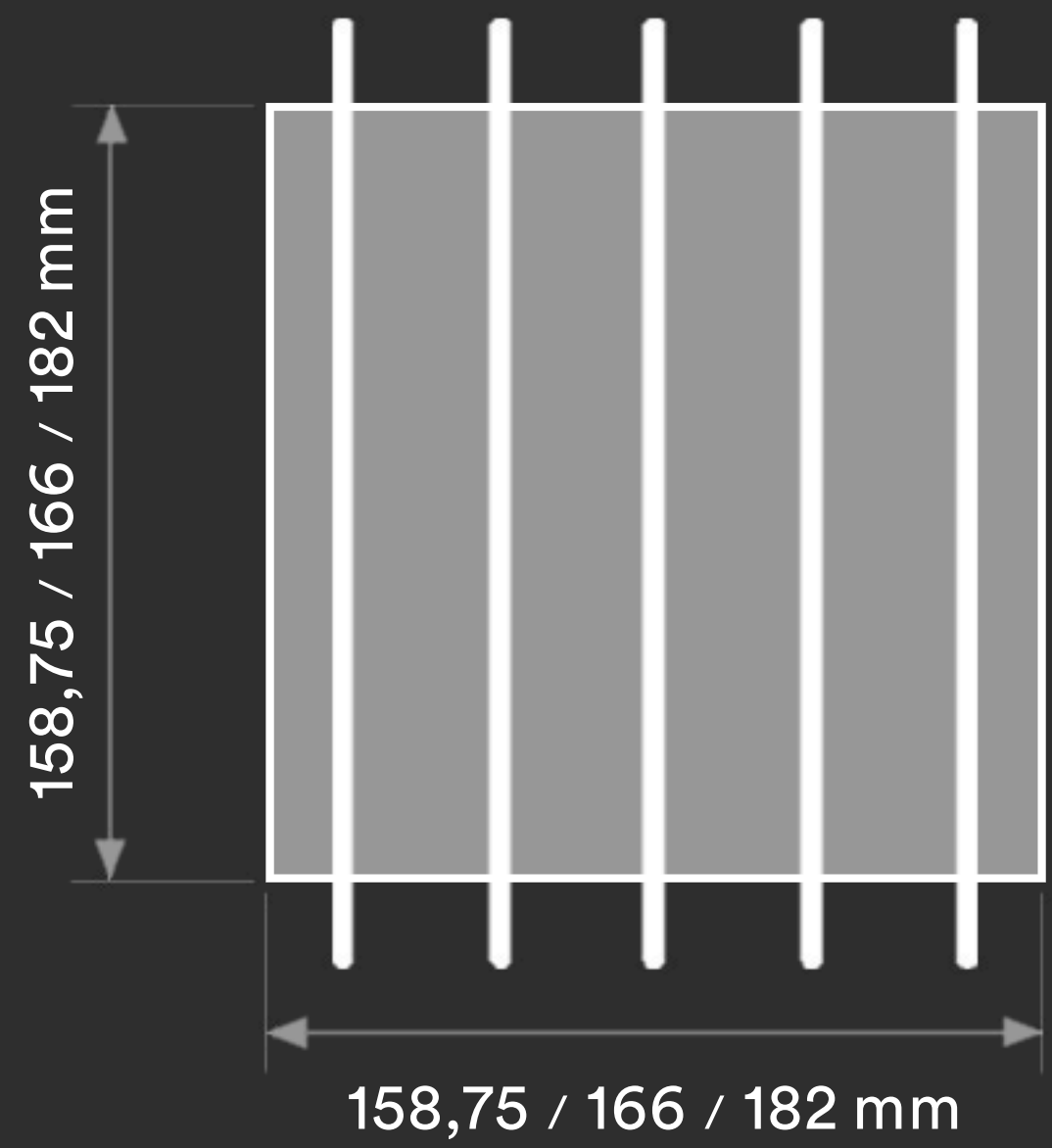


**P**hotovoltaic **noise barriers** are physical obstructions with BIPV panels designed to produce renewable energy and also reduce the noise level between noise sources and places like hospitals, schools and **residential areas** ...



# BIPV

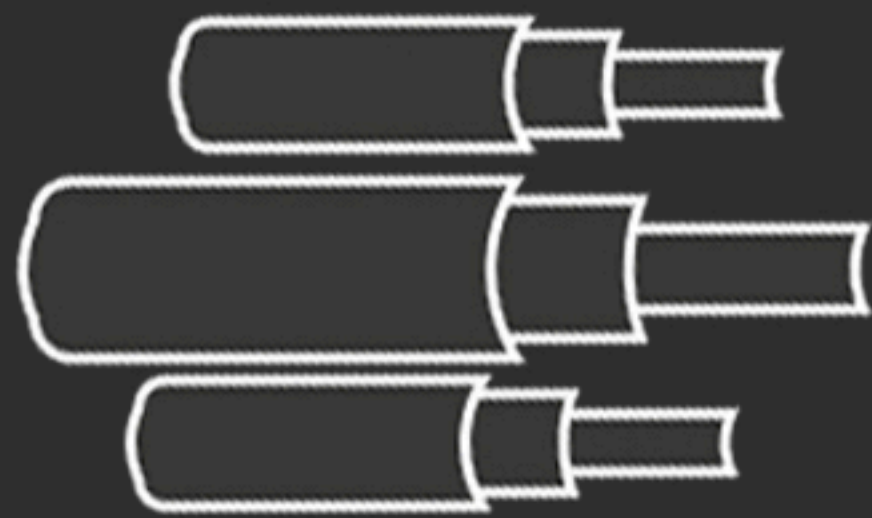
The architectural **integration** of photovoltaic solar panels in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional** novelty, generate electrical energy.



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

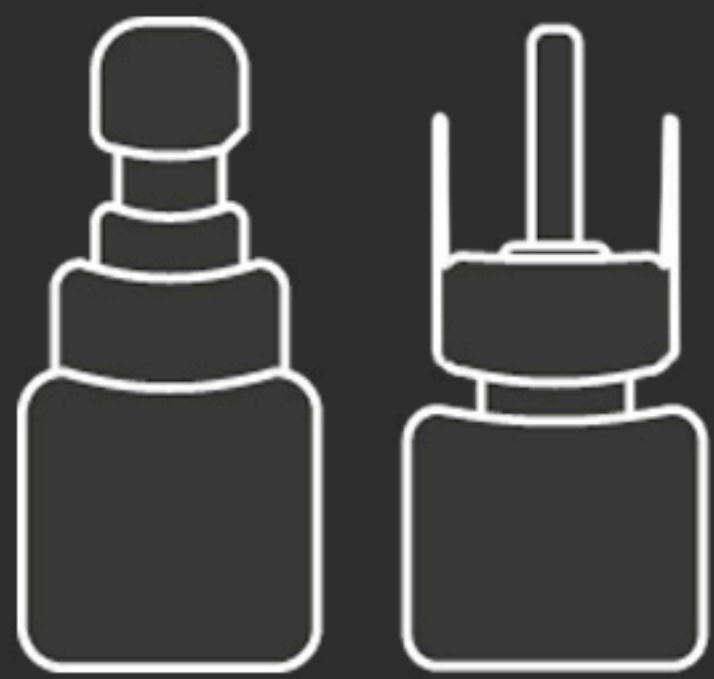
### Cable:

4 mm<sup>2</sup>



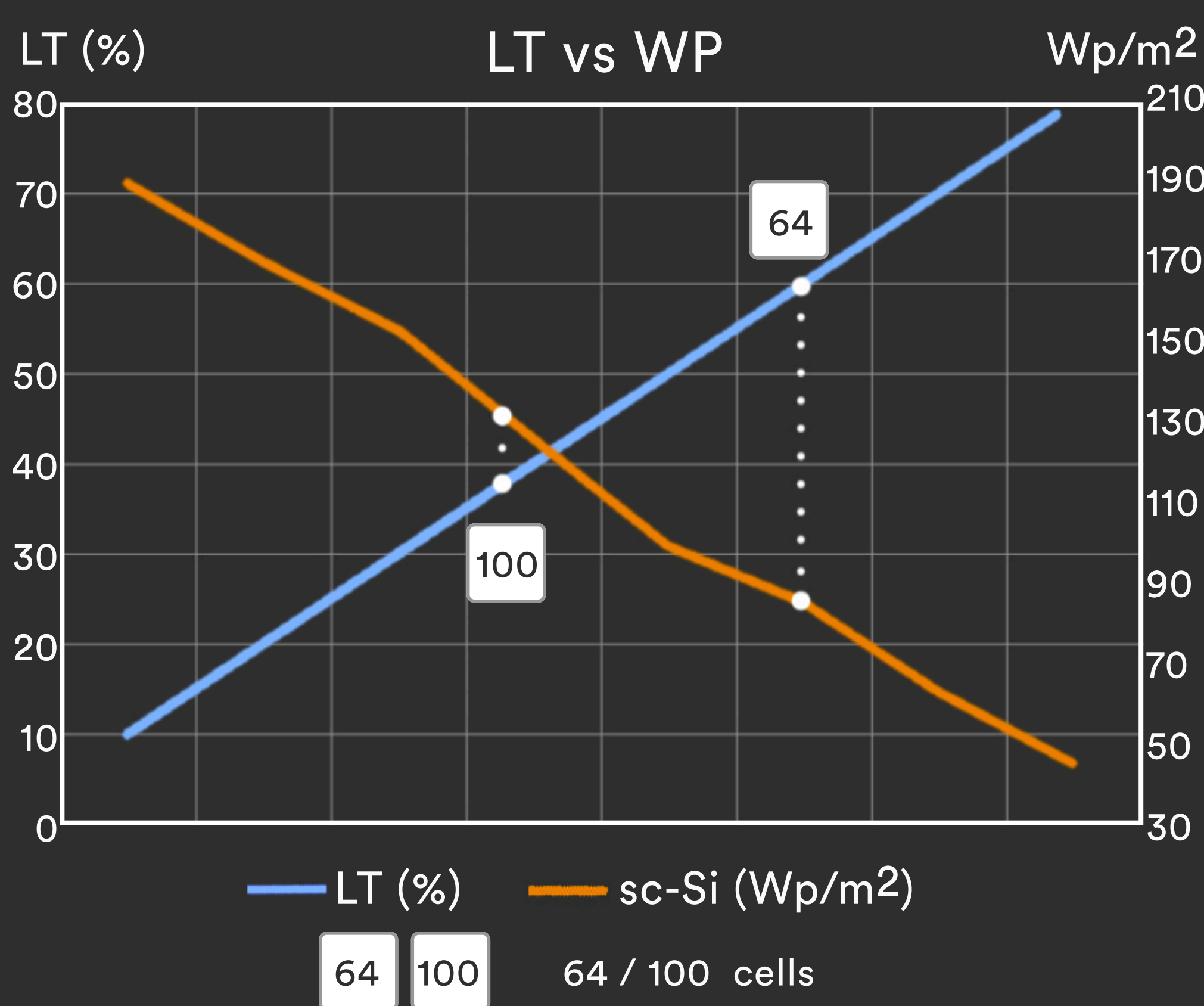
### Connectors:

Type 3  
 Type 4

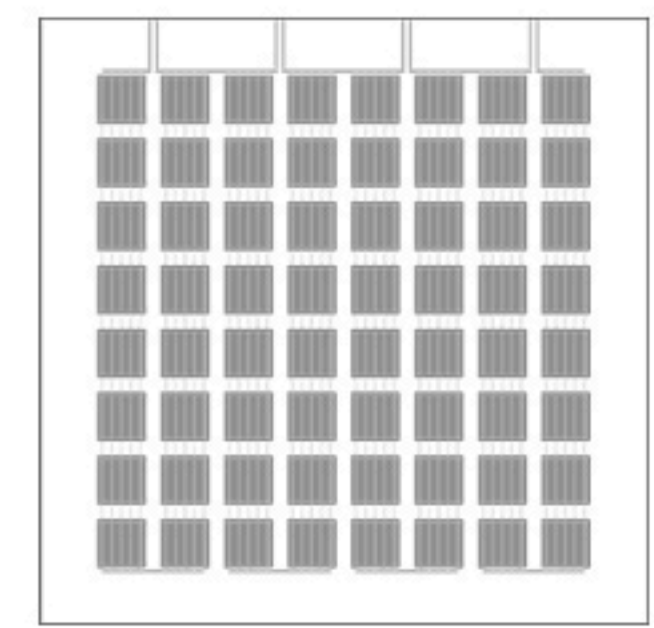
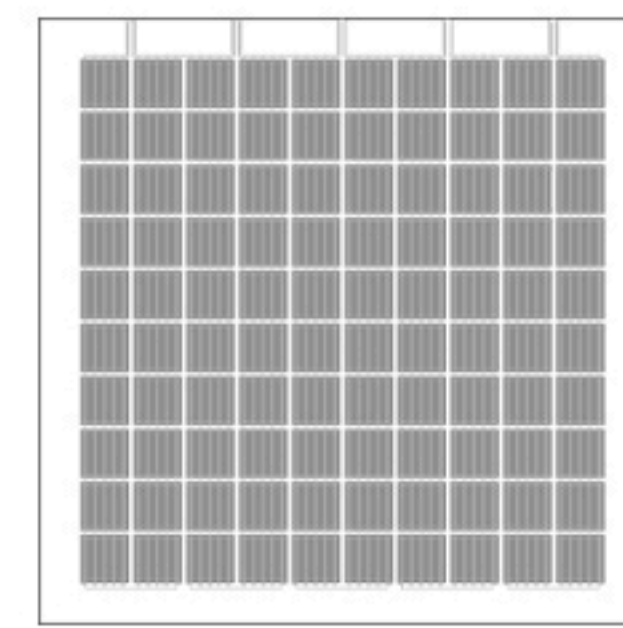


### Junction Box:

Border  
 Back



## LANDSCAPE INTEGRATION



Model	PVNB-CT-M158-100	PVNB-CT-M158-64
Cell type and size	Monocrystalline 158.75 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	546 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 - CO2**

**CE** 2014/35/EU  
 EN 50583-1

**ISO** ISO 9001  
 ISO 14001  
 ISO 45001

**IEC** 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**

**Low deterioration**