

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 CELLS 158X158 mm

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

64 CELLS 158X158 mm

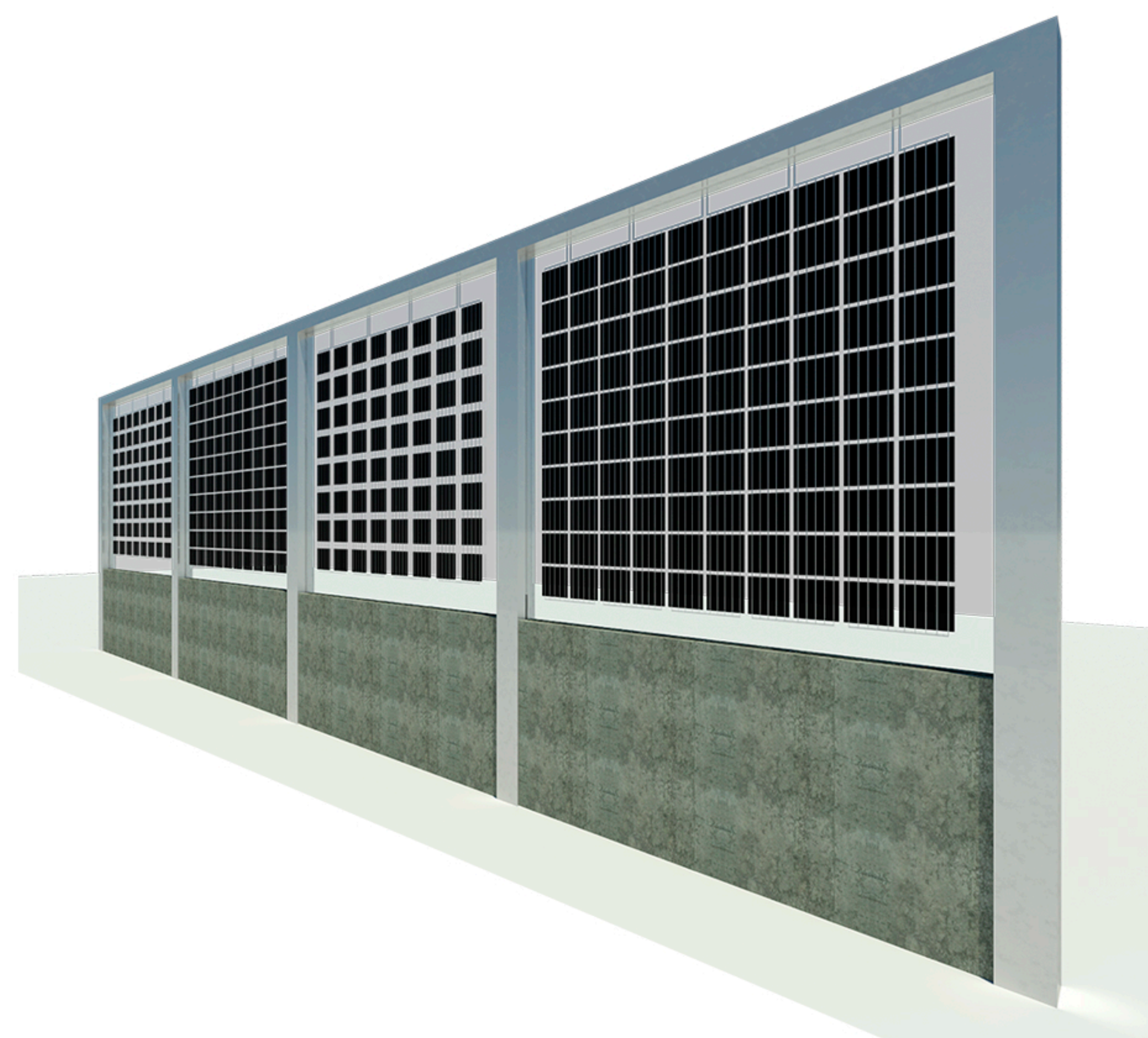
Size: 2000 x 2000 x 24 mm
Weight: 216.9 kg
Matrix: 8 x 8
Transparency: 59.7 %
Power: 349 W

CUSTOMIZED

Made to measure

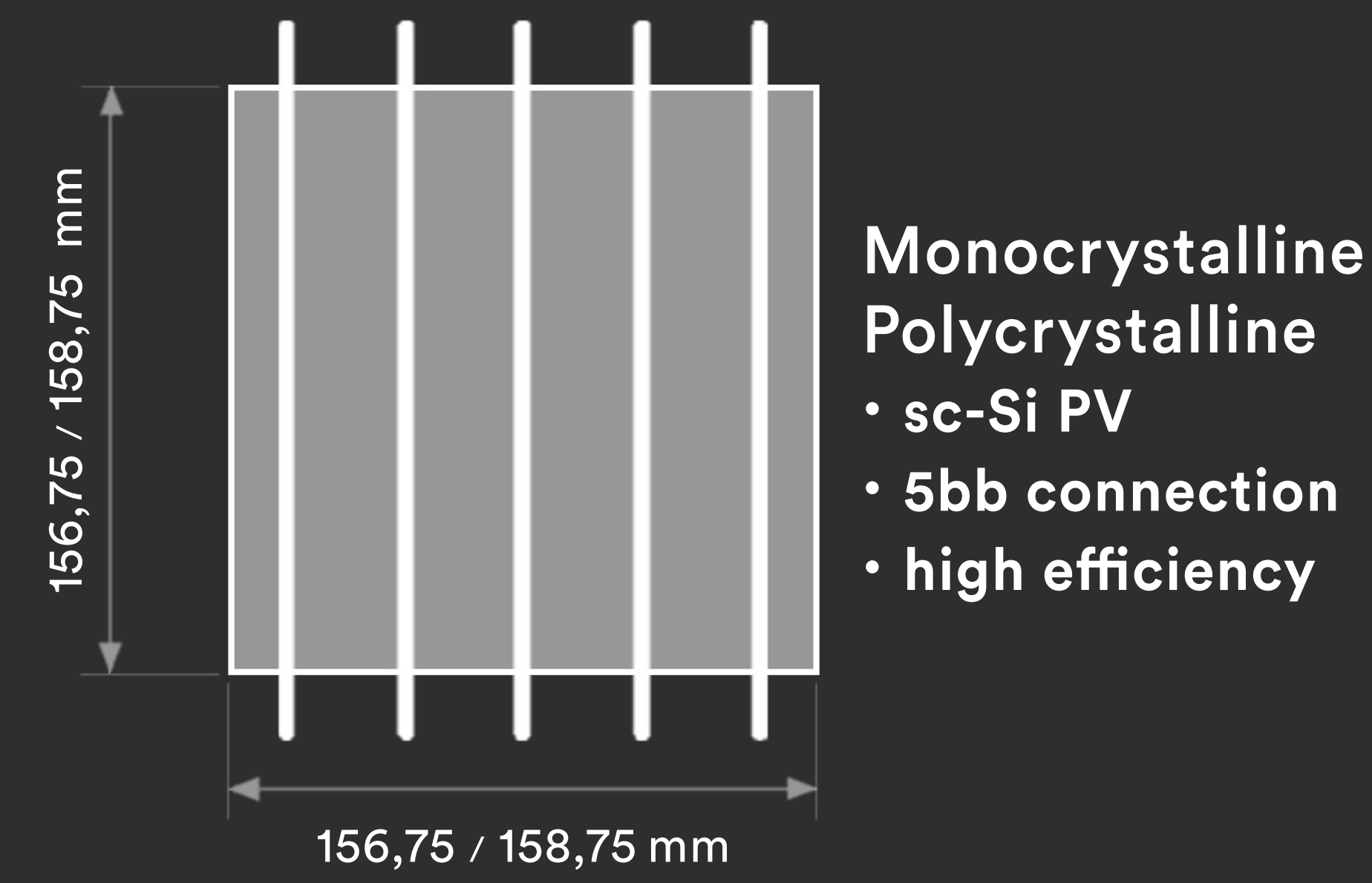


Photovoltaic **noise barriers** are physical obstructions with BIPV panels designed to produce renewable energy and also reduce the noise level between noise sources and places like hospitals, schools and **residential areas** ...



BIPV

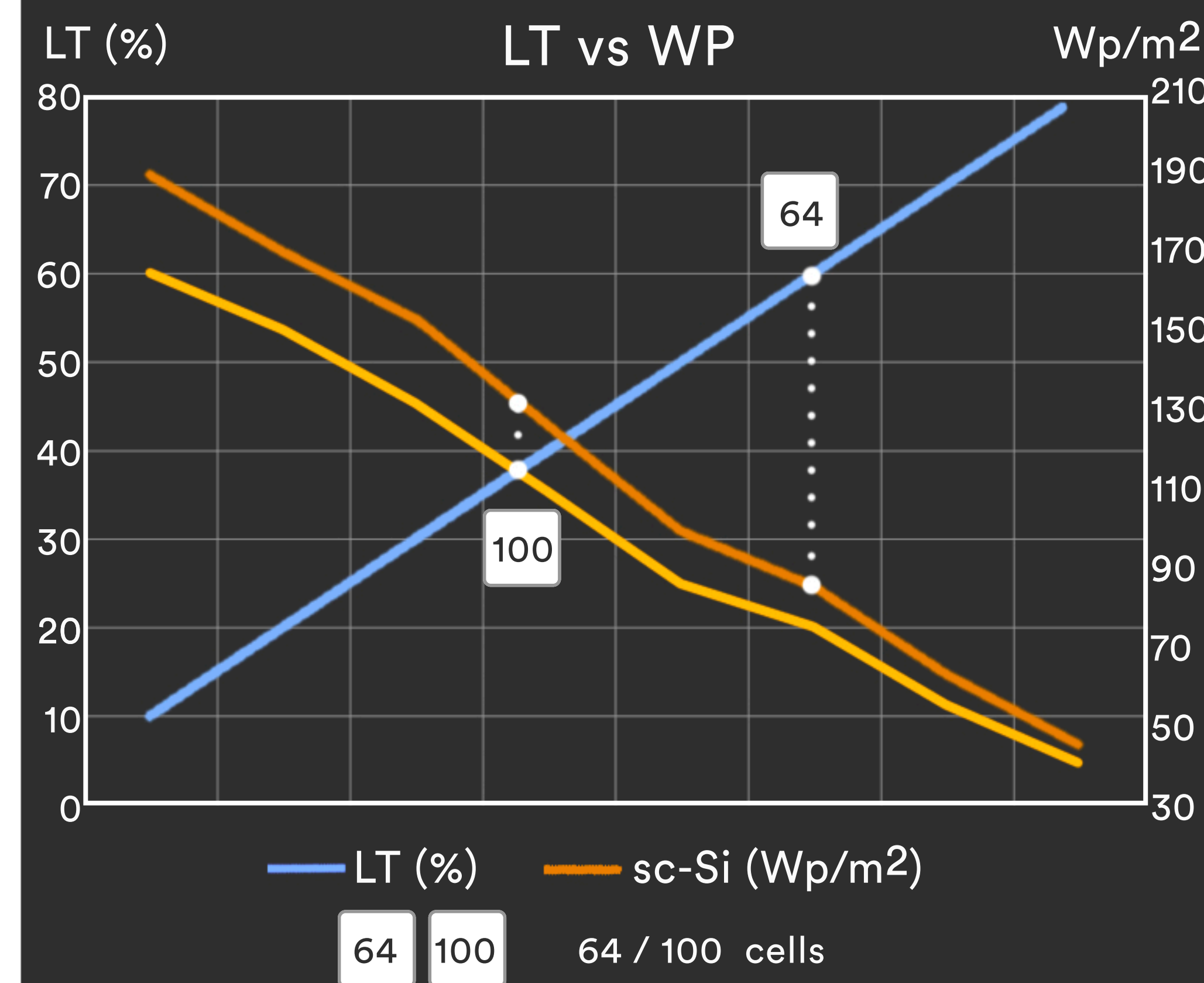
The architectural **integration** of photovoltaic solar panels in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional** novelty, generate electrical energy.



Cable:
4 mm²

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
EN 14449

ISO ISO 9001
ISO 14001
ISO 45001

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

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