

Best solution
Better integration

BIPV FLOOR TILES & PAVEMENTS

PV Floors

MATERIALS

- 8 mm tempered glass
anti-slip
- 0.76 mm PVB layer
- 0.21 mm PhotoVoltaic cells
- 0.76 mm PVB layer
- 10 mm tempered glass

Composition:



9 CELLS FLOOR TILE

SI-ESF-M-BIPV-FL

Size: 600 x 600 x 18 mm

Weight: 16 kg

Matrix: 3 x 3

Power:

M166-9-55W

P156-9-45W

28 CELLS PAVEMENT

SI-ESF-M-BIPV-RD

Size: 1437 x 792 x 18 mm

Weight: 48 kg

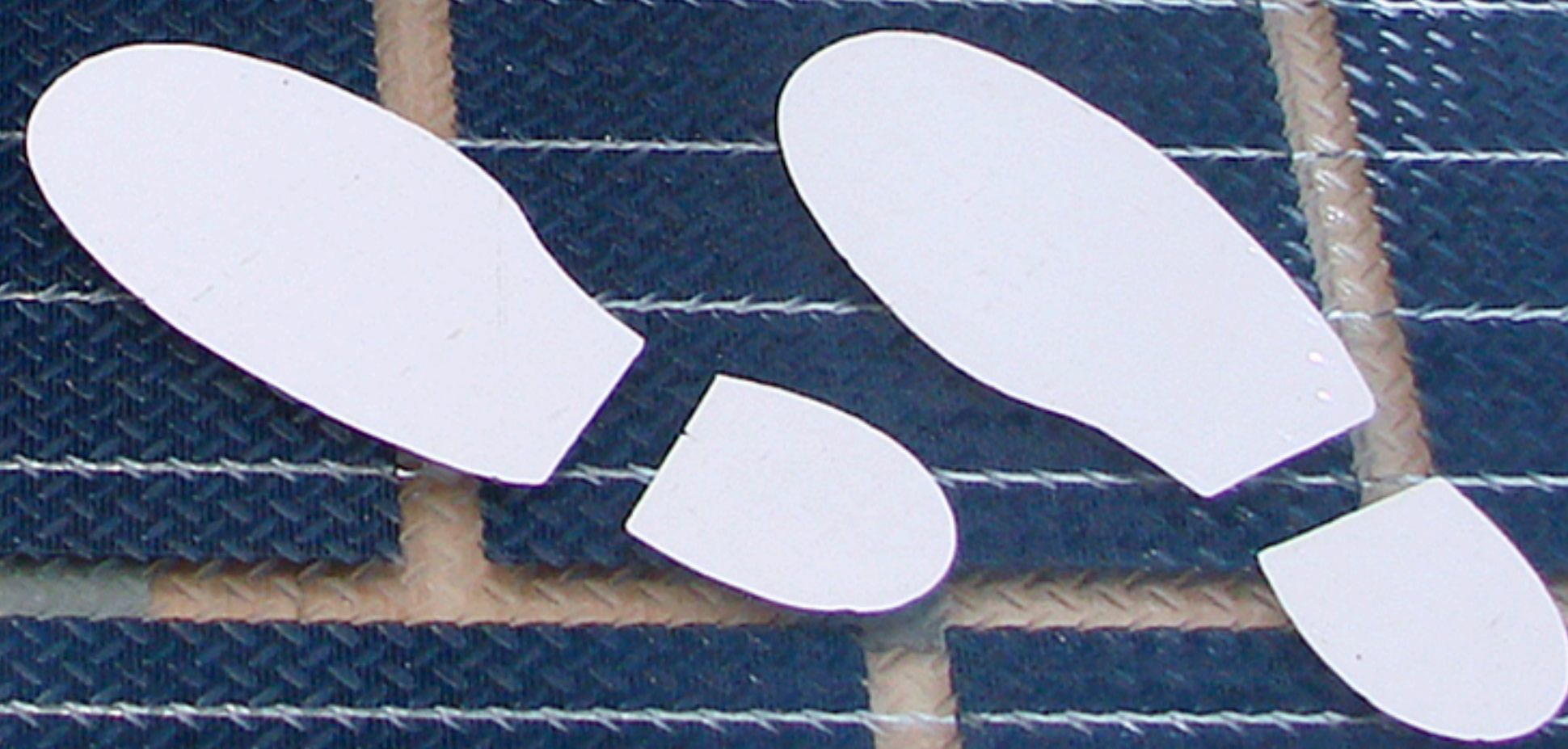
Matrix: 7 x 4

Power:

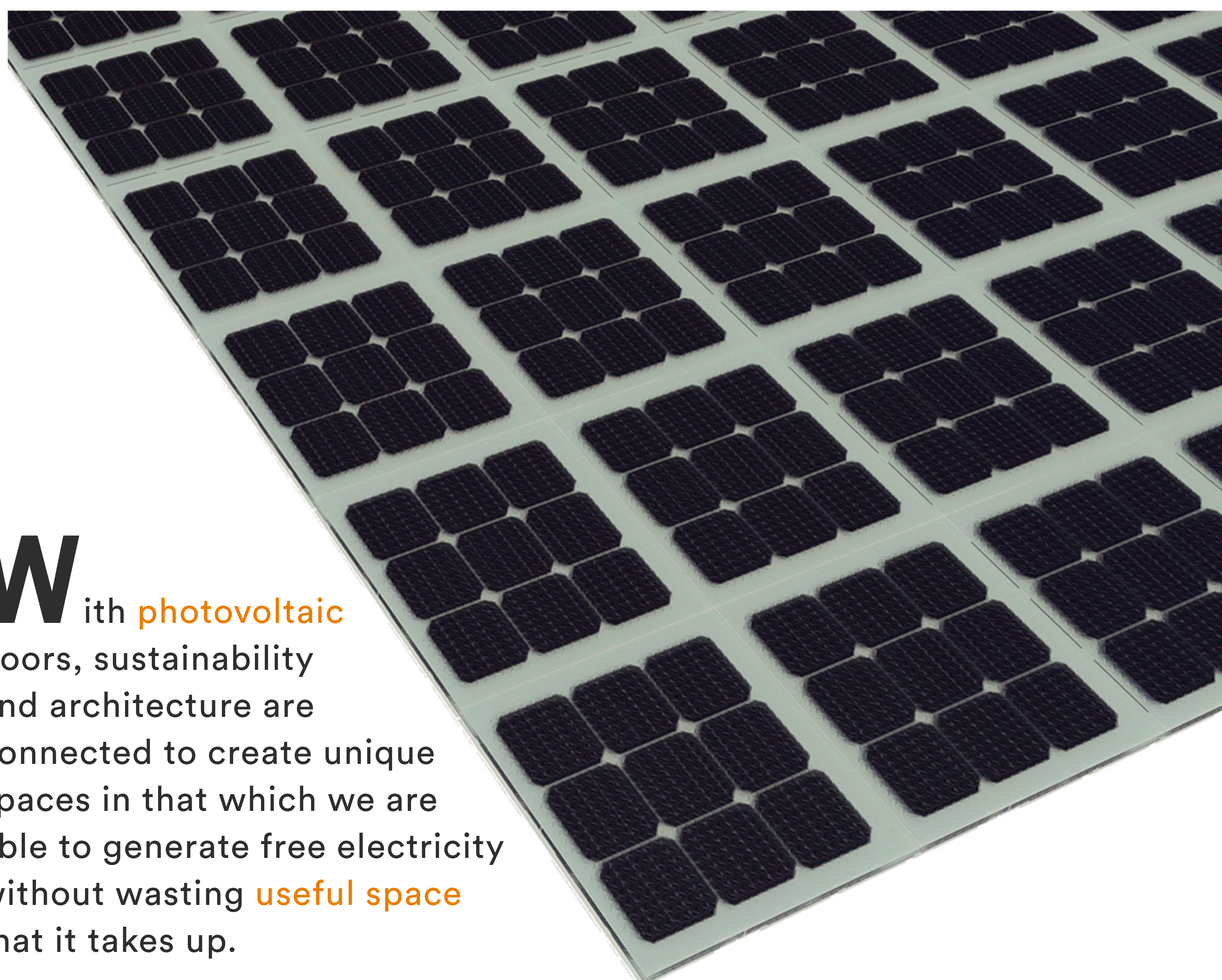
M156-28-145W

P156-28-135W

SOLAR



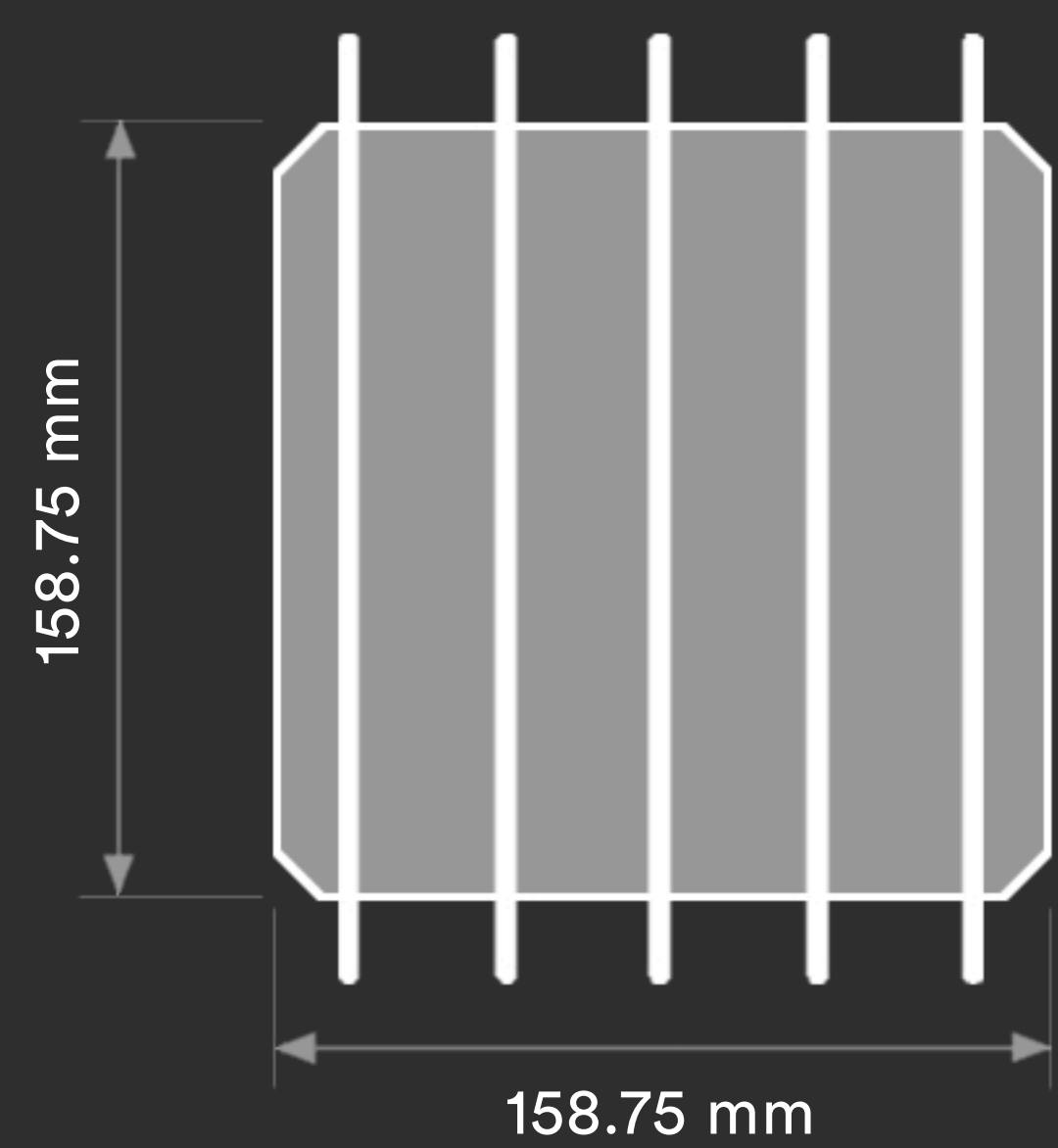
TRANSITABLE



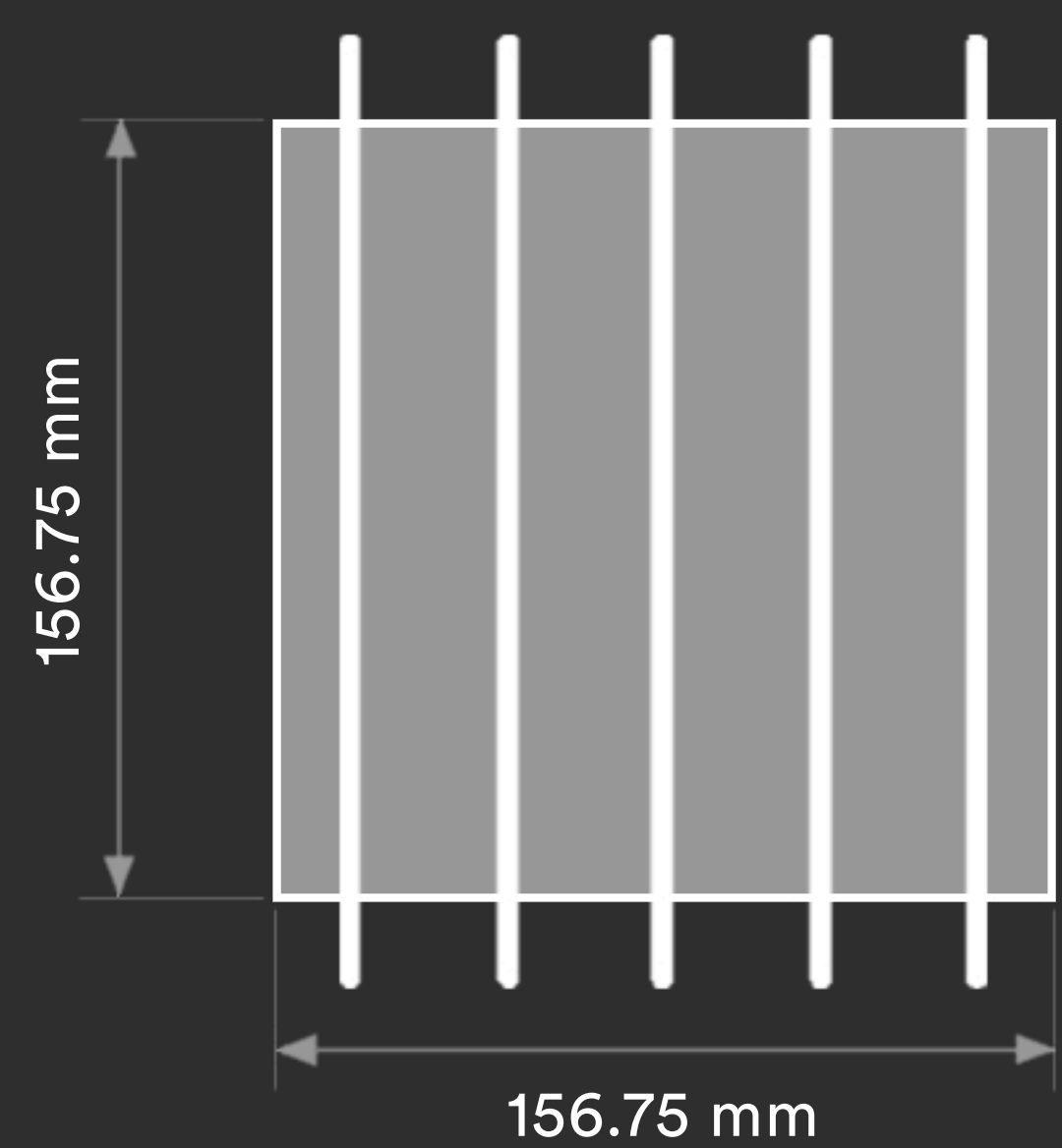
With **photovoltaic** floors, sustainability and architecture are connected to create unique spaces in that which we are able to generate free electricity without wasting **useful space** that it takes up.

T BIPV

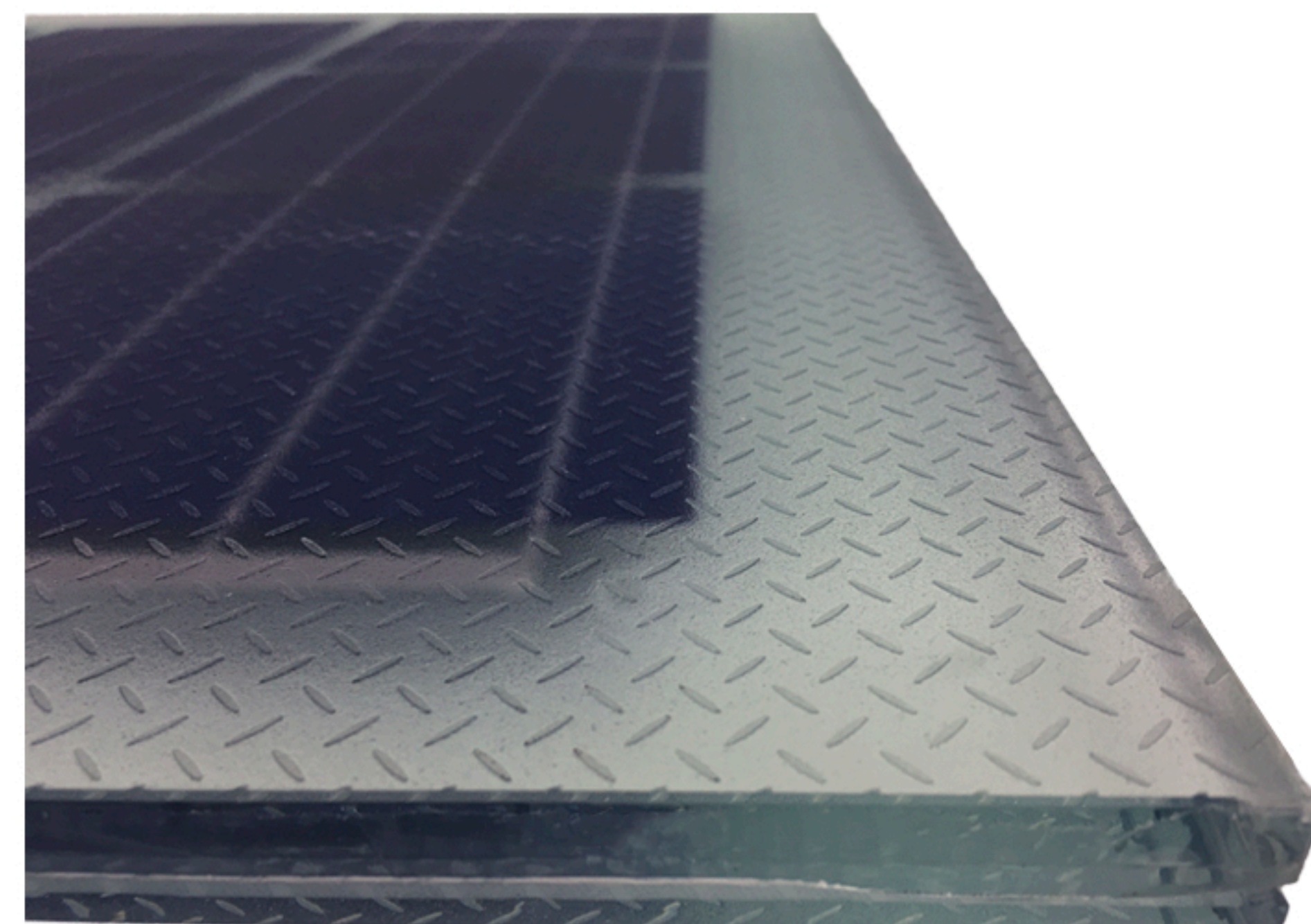
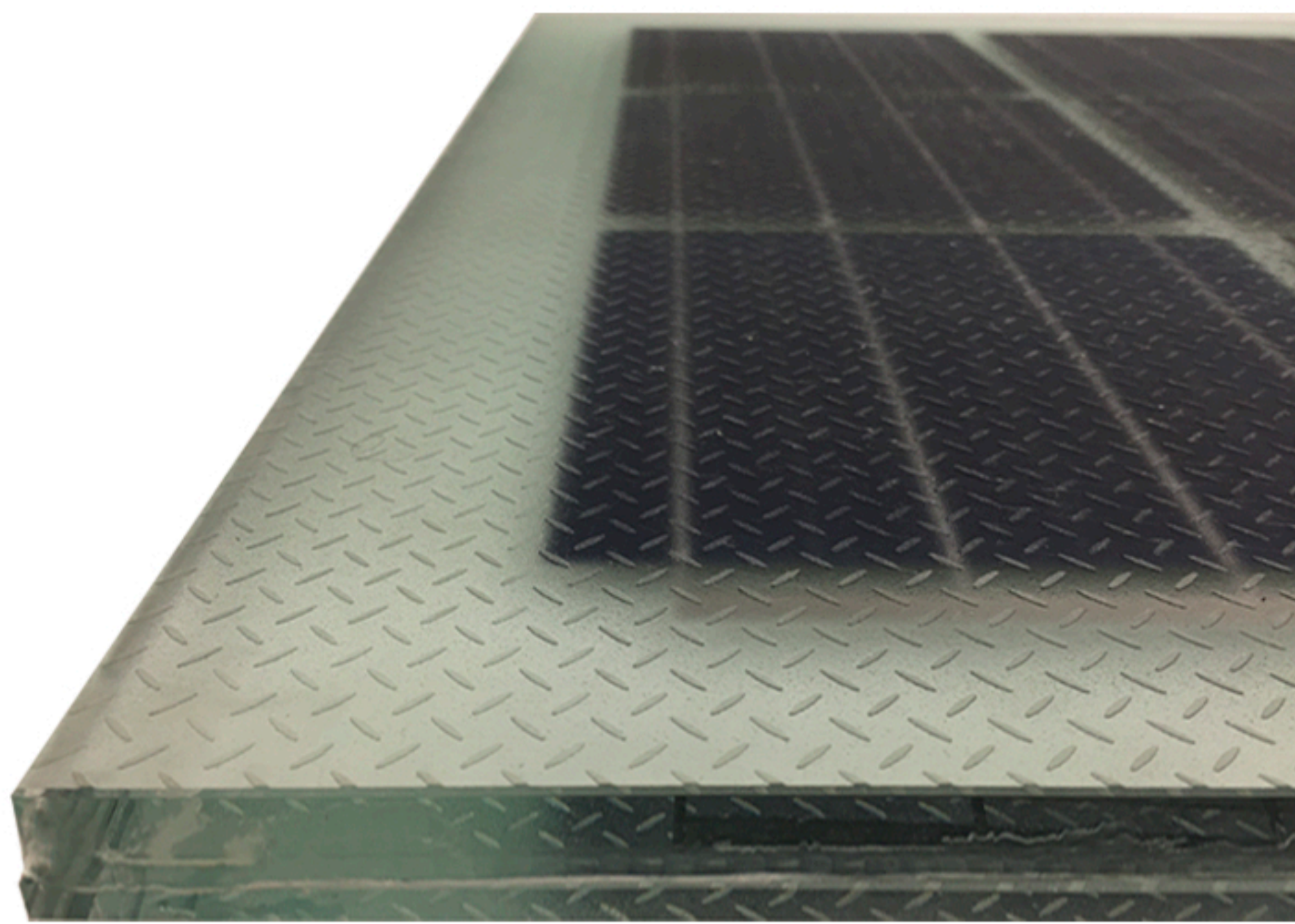
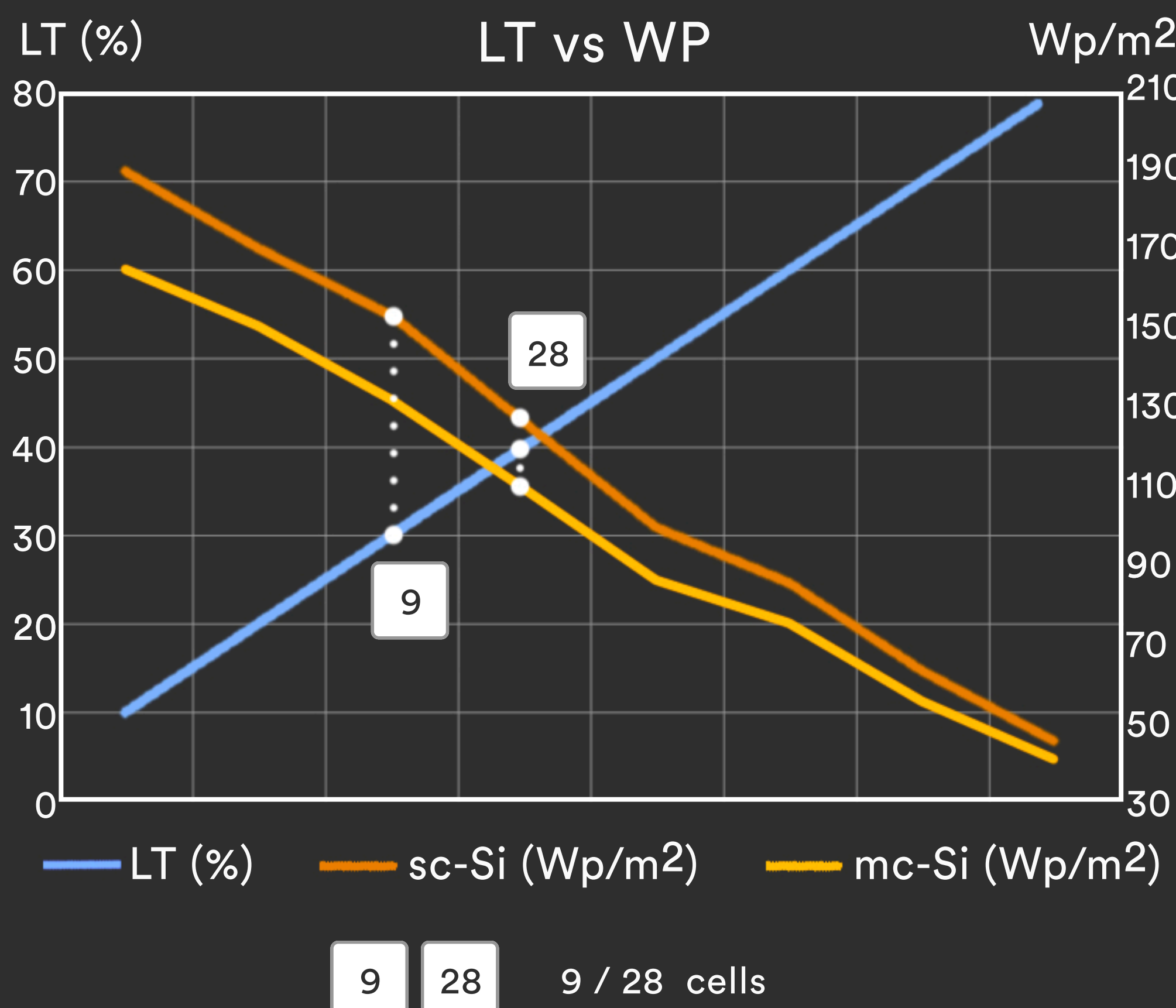
The architectural **integration** of photovoltaic floors in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional** novelty, generate electrical energy.



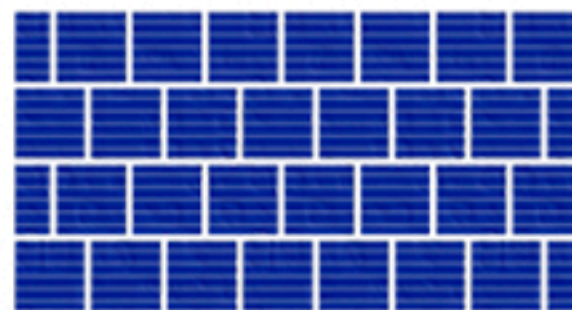
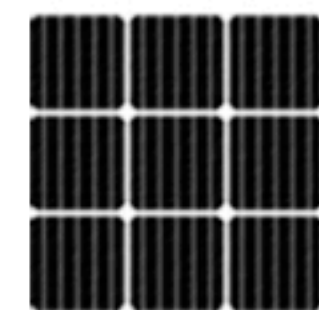
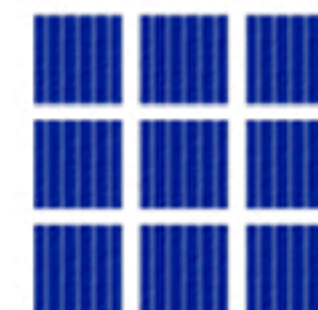
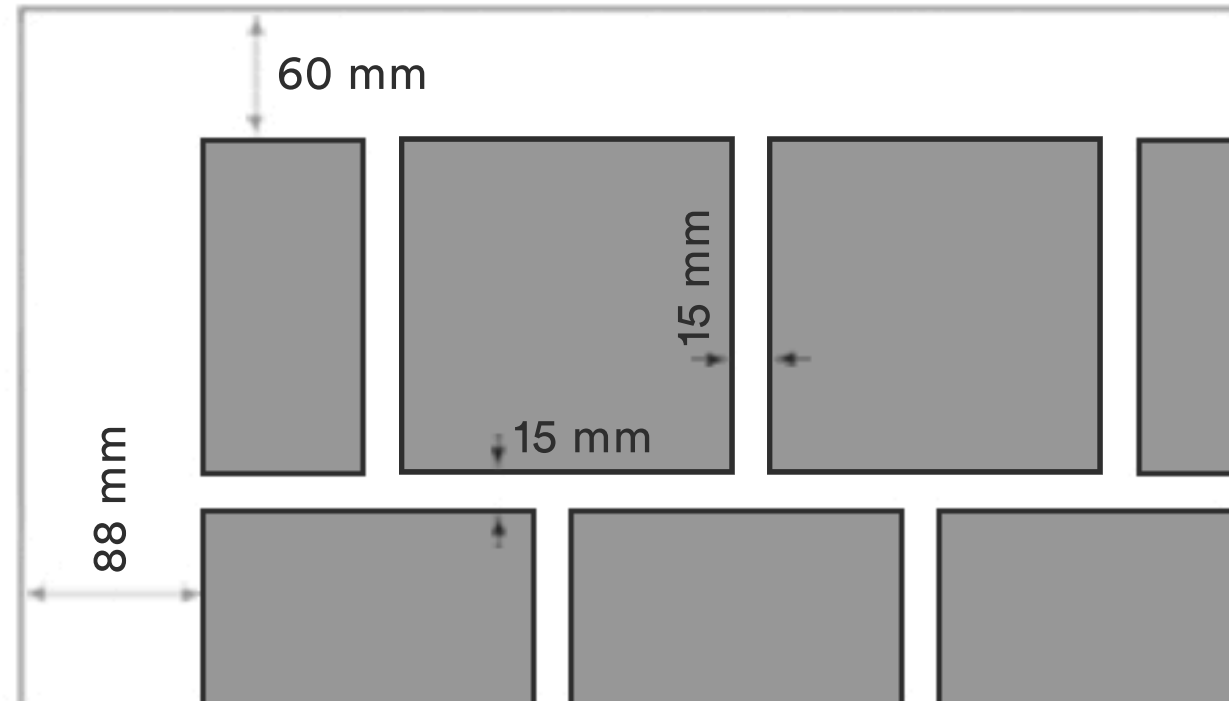
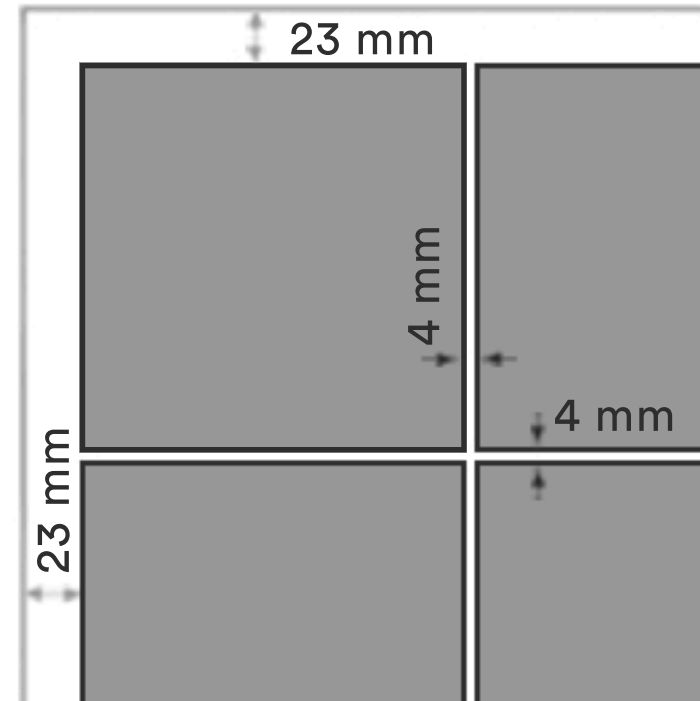
Monocrystalline
• sc-Si PV
• 9bb connection
• high efficiency



Polycrystalline
• mc-Si PV
• 5bb connection
• high efficiency



4 types

				
Model	BIPV-RD-M156-28	BIPV-RD-P156-28	BIPV-FL-M158-9	BIPV-FL-P156-9
Cell type	Monocrystalline	Polycrystalline	Monocrystalline	Polycrystalline
Cells number	28 pcs	28 pcs	9 pcs	9 pcs
Cell size	156.75 x 156.75 mm	156.75 x 156.75 mm	158.75 x 158.75 mm	156.75 x 156.75 mm
Size	1437 x 792 mm	1437 x 792 mm	600 x 600 mm	600 x 600 mm
Thickness	18 mm	18 mm	18 mm	18 mm
Power	145 Wp	135 Wp	55 Wp	45 Wp
				

- ✓ **DIN 51097** (barefoot) ; Class C $\geq 24^\circ$
- ✓ **DIN 51130** (in shoes) ; R12 $> 27^\circ - 35^\circ$
- ✓ **ENV 12633** (Pendulum Method) ; Rd > 45 Class 3
- ✓ **ASTM C-1028** (Dynamometer Method)

Anti-slip Rules

+ Energy + Saving - Outlay - CO₂



2014/35/EU
EN 50583-1
EN 14449



ISO 9001
ISO 14001
ISO 45001



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



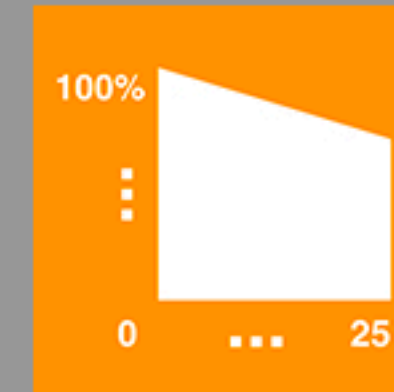
Photovoltaic
Architecture



High
satisfaction



High
resistance



Low
deterioration



The specifications and technical data may be subject to possible modifications without notice.