

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
- 8 mm tempered glass

Composition:



9 CELLS FLOOR TILE

SI-ESF-M-BIPV-FL

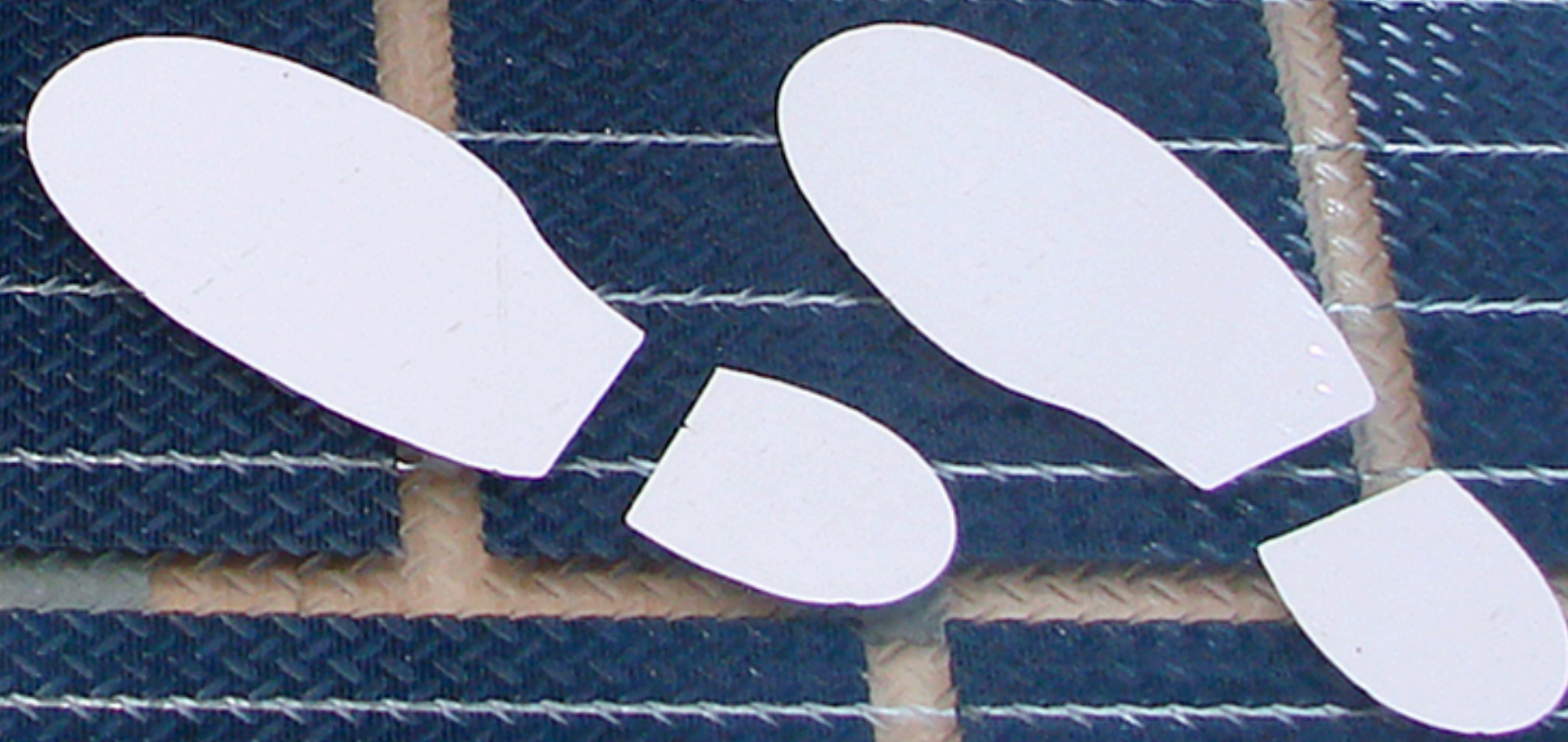
Size: 600 x 600 x 18 mm
Weight: 16 kg
Matrix: 3 x 3
Power:
M166-9-55W
P156-9-45W

28 CELLS PAVEMENT

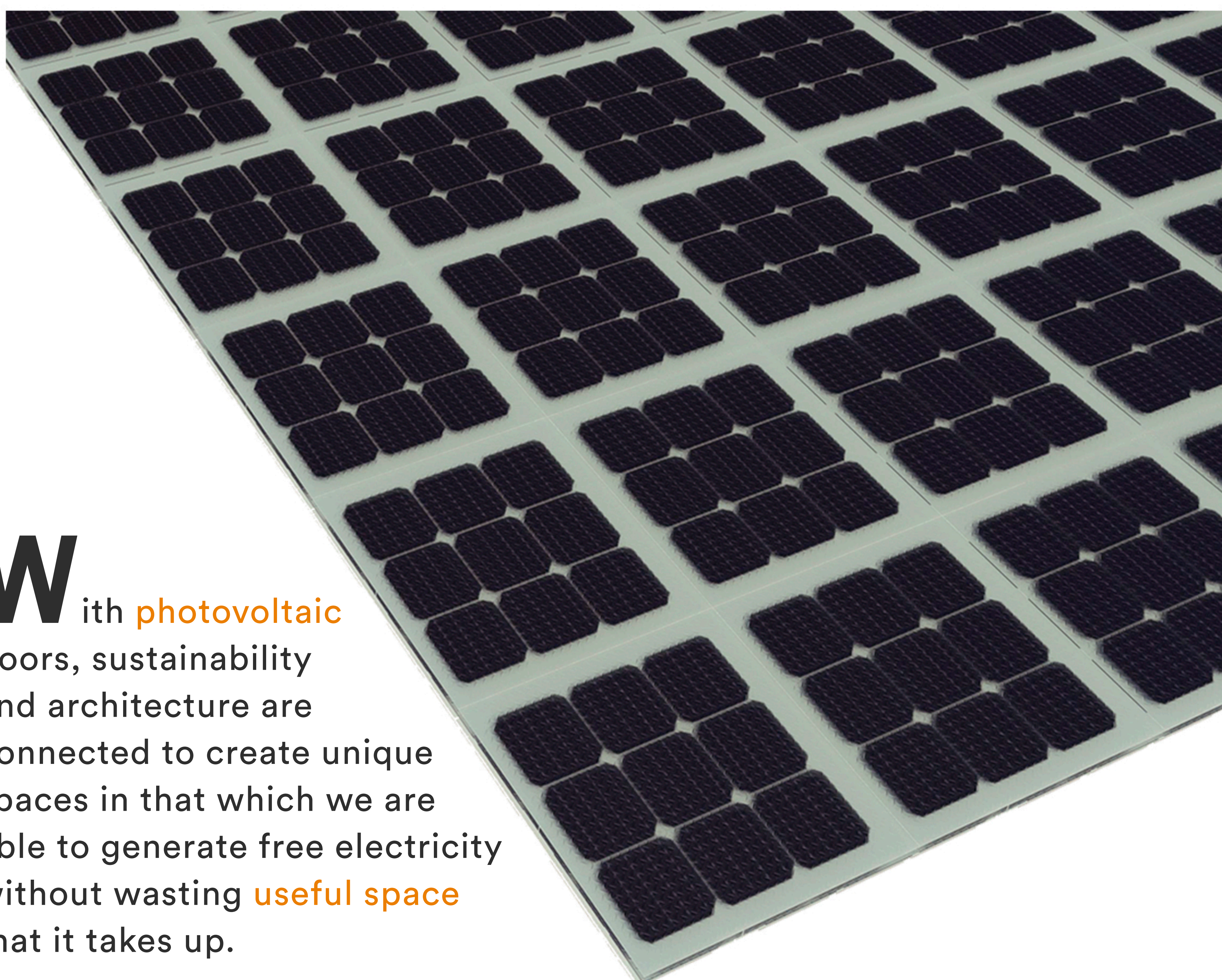
SI-ESF-M-BIPV-RD

Size: 1437 x 792 x 18 mm
Weight: 48 kg
Matrix: 7 x 4
Power:
M156-28-145W
P156-28-135W

SOLAR



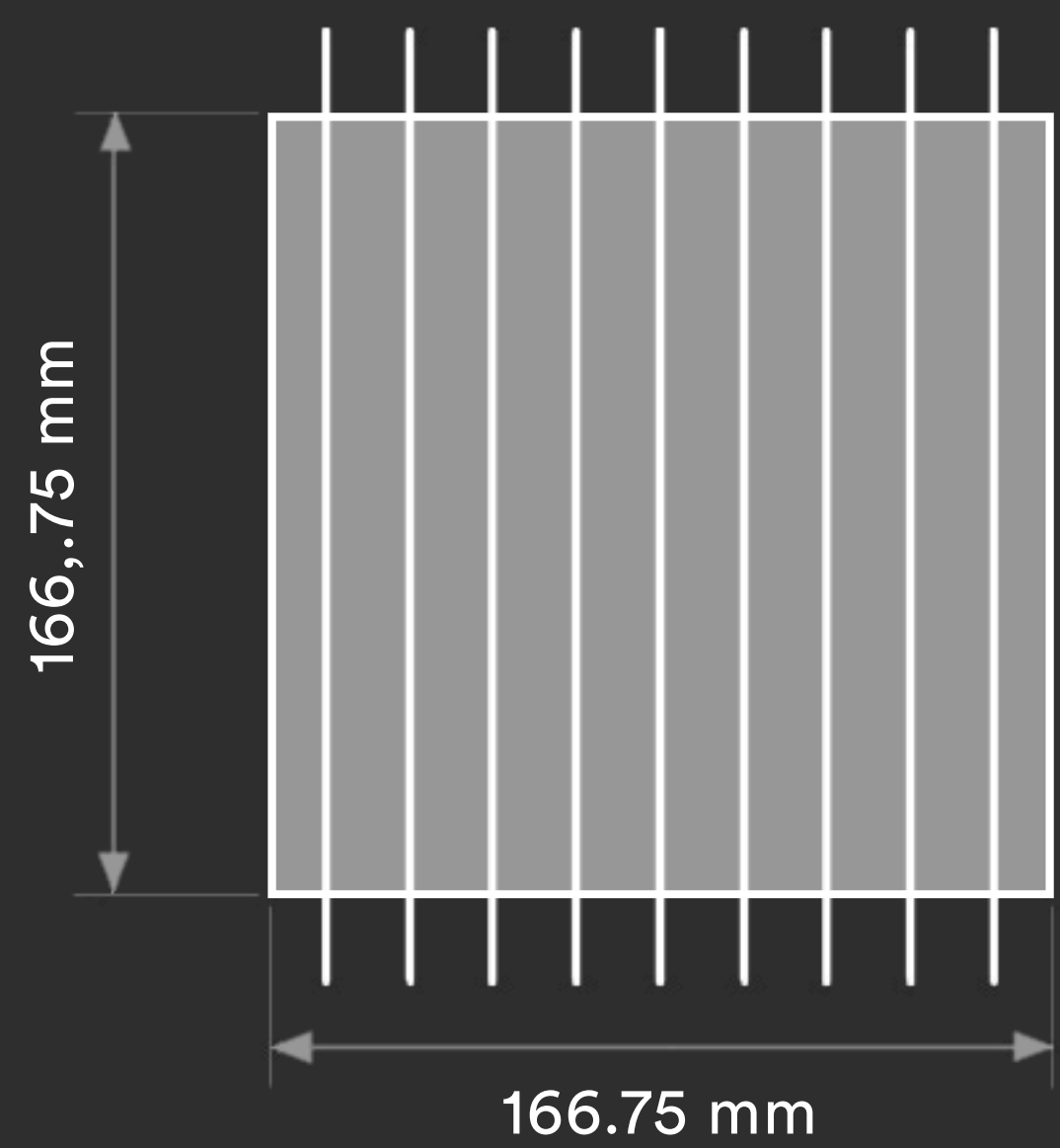
TRANSITABLE



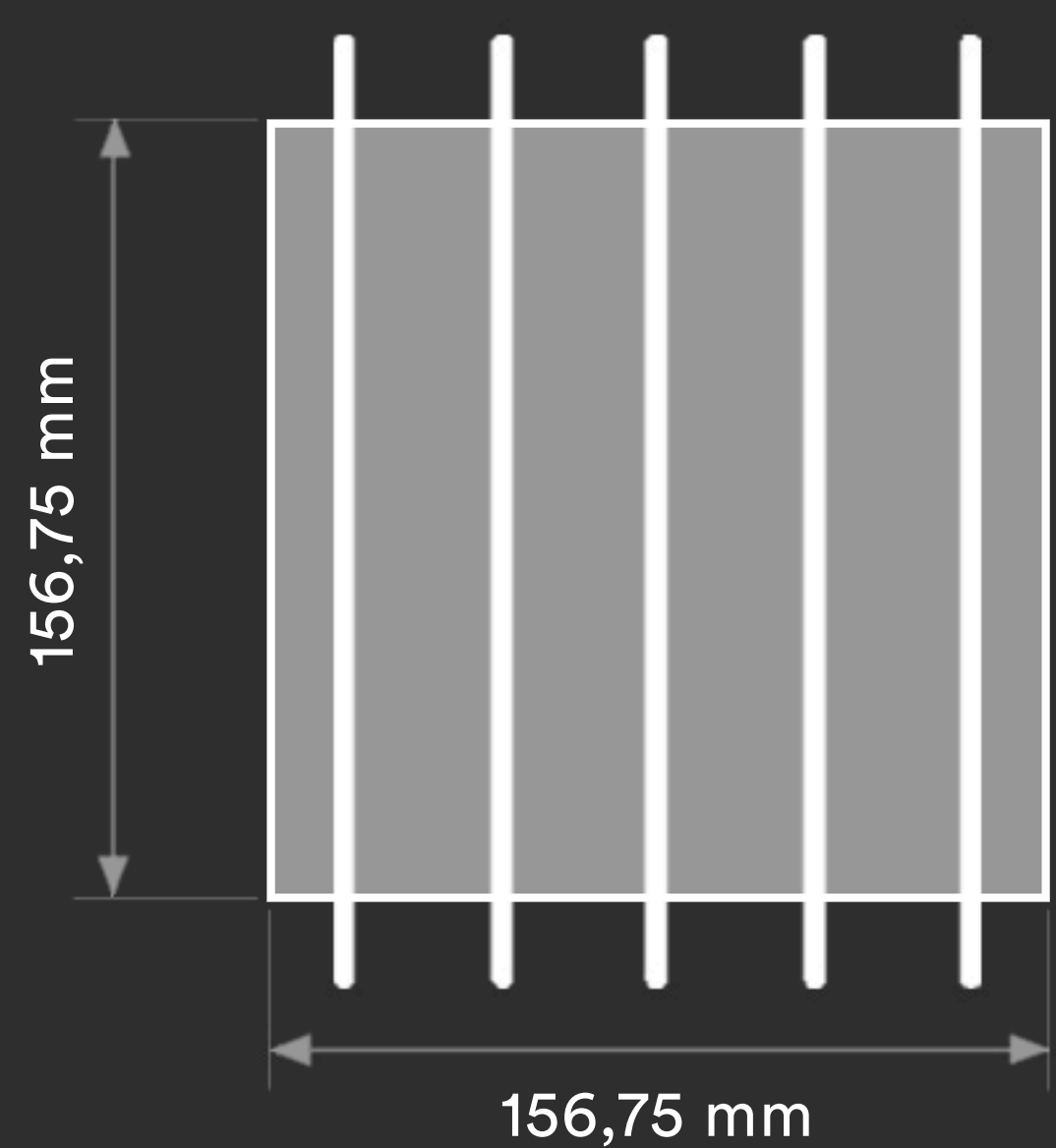
With **photovoltaic** floors, sustainability and architecture are connected to create unique spaces in that which we are able to generate free electricity without wasting **useful space** that it takes up.

BIPV

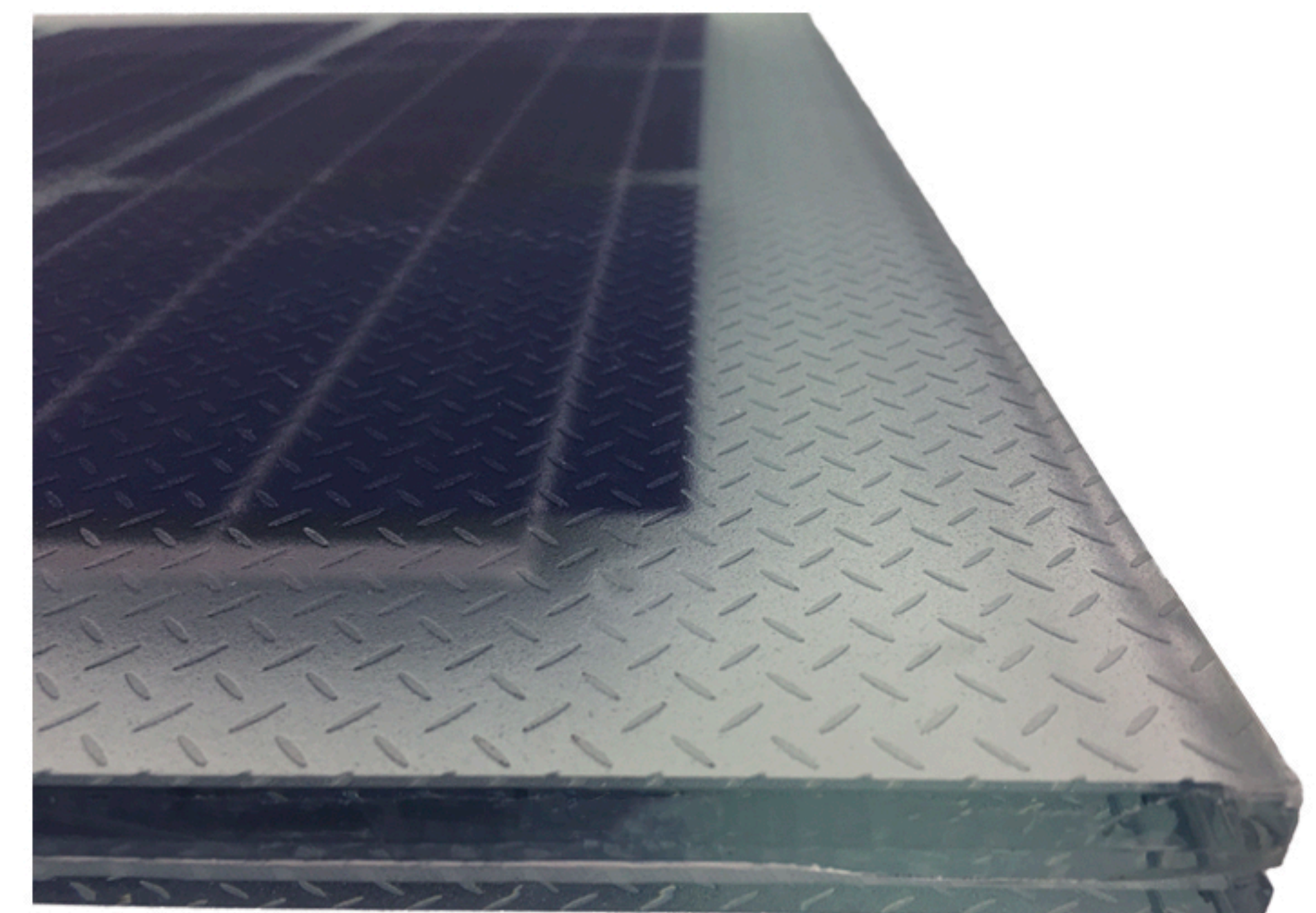
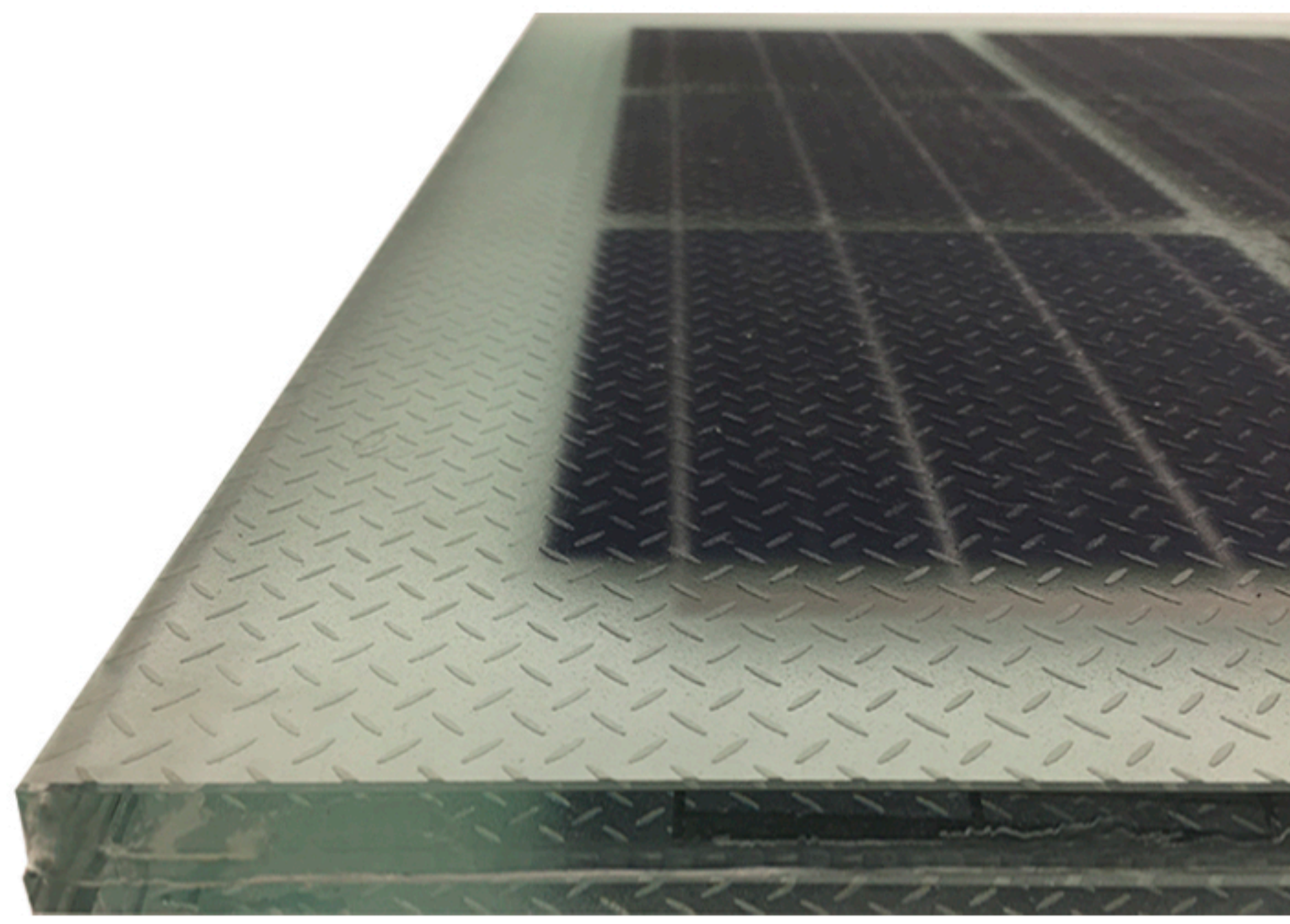
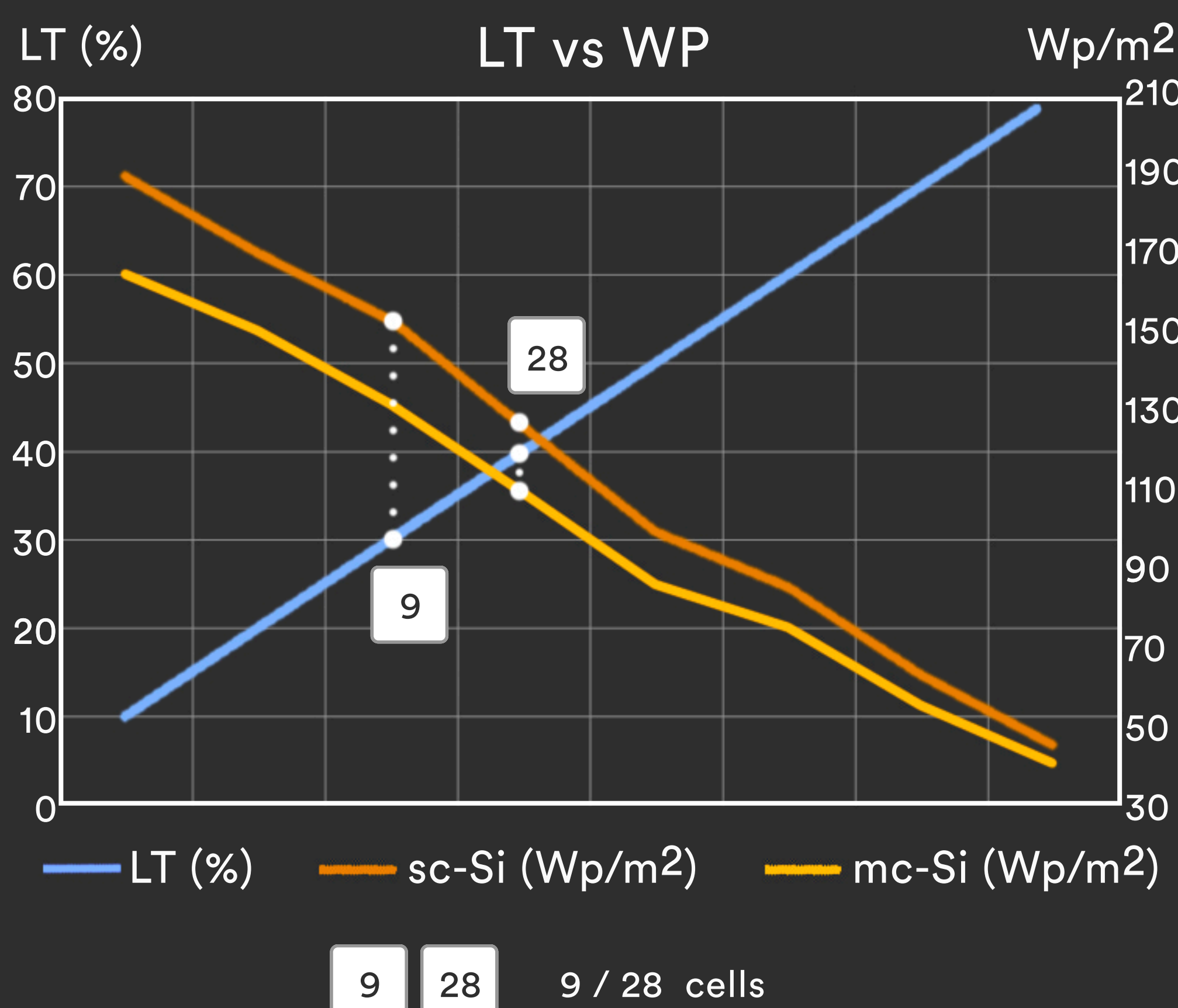
The architectural **integration** of photovoltaic floors in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional** novelty, generate electrical energy.




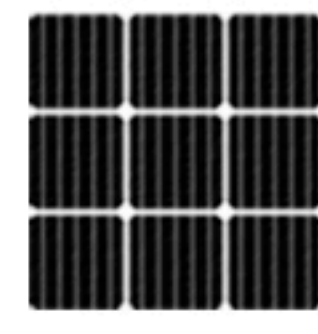
Monocrystalline
 • sc-Si PV
 • 9bb connection
 • high efficiency

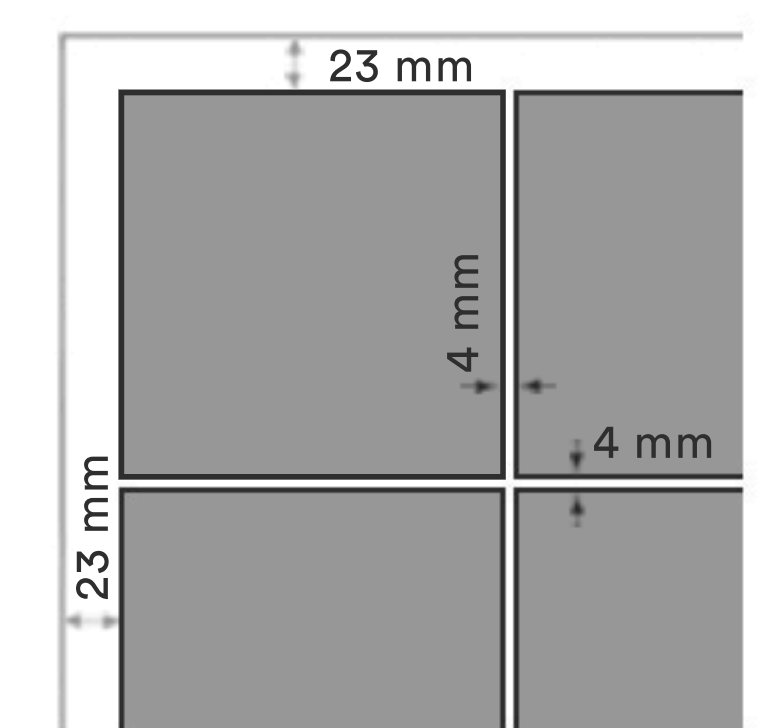
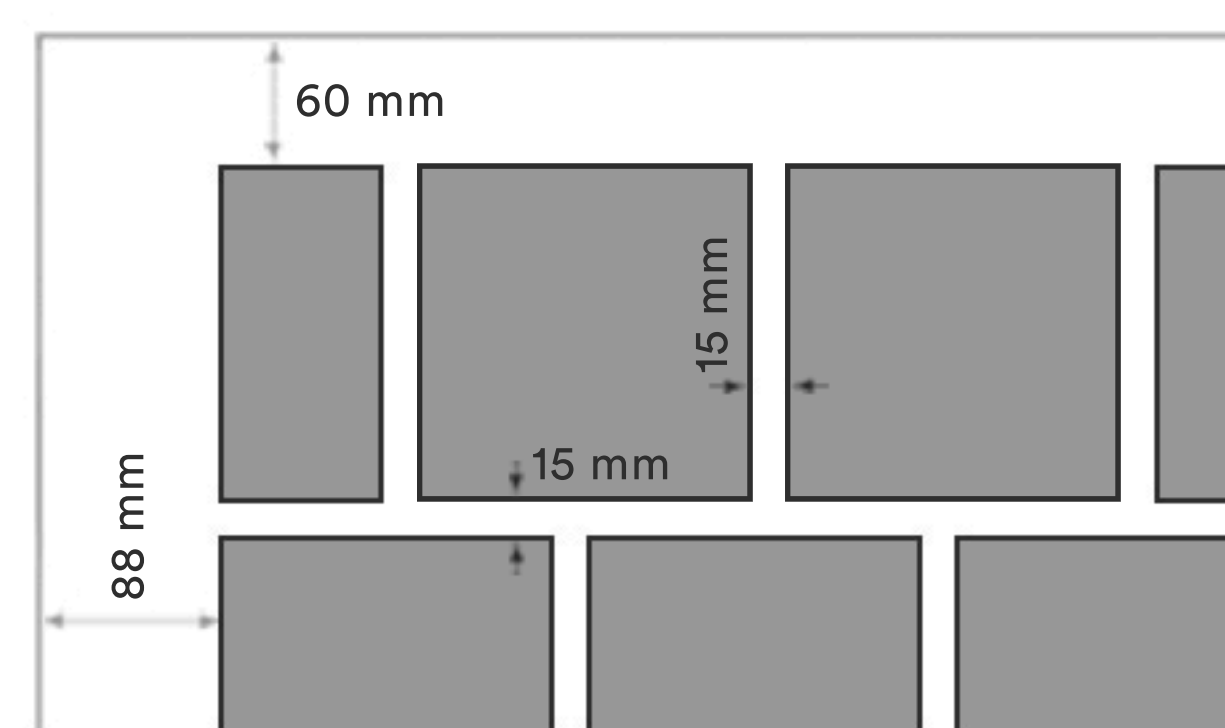


Polycrystalline
 • mc-Si PV
 • 5bb connection
 • high efficiency



4 types

| |  |  |  |  |
|--------------|--|---|---|---|
| Model | BIPV-RD-M156-28 | BIPV-RD-P156-28 | BIPV-FL-M166-9 | 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 | 166.75 x 166.75 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
-  ISO 9001
ISO 14001
ISO 45001
-  IEC/EN 61215
IEC/EN 61730

-  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



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