

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

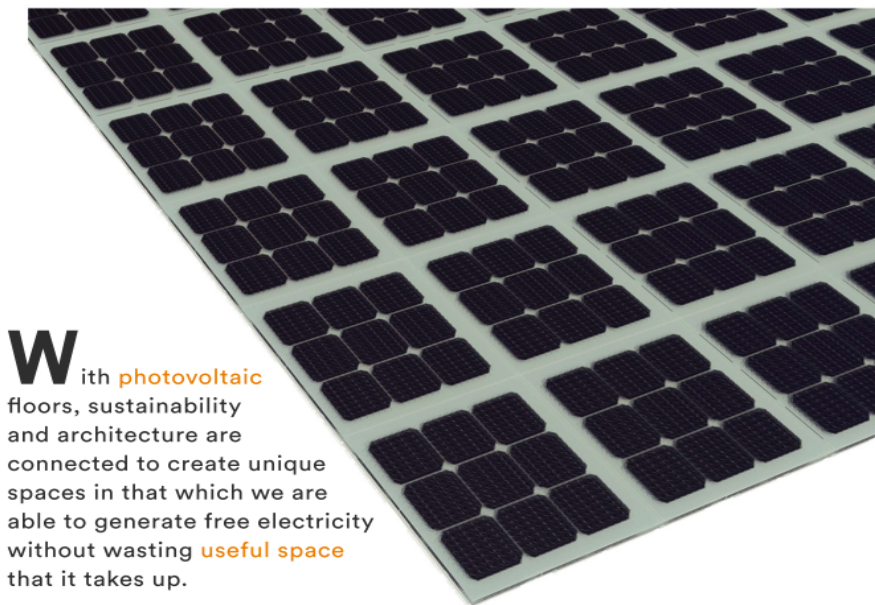
Power:

M156-28-145W

P156-28-135W



SOLAR
TRANSITABLE



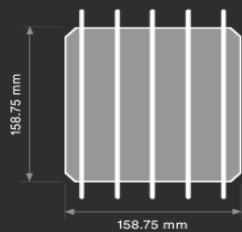
With photovoltaic floors, sustainability and architecture are connected to create unique spaces in that which we are able to generate free electricity without wasting **useful space** that it takes up.

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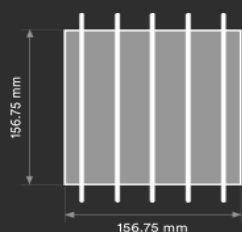
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BIPV

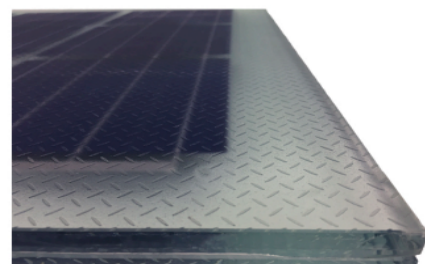
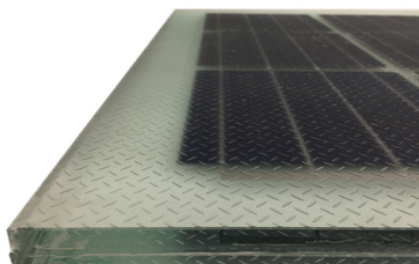
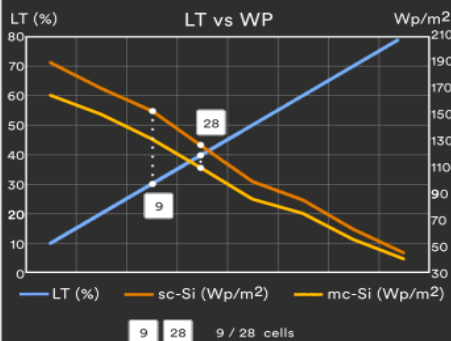
The architectural integration of photovoltaic floors in construction makes it possible to create glazed surfaces that, in addition to being an **esthetic and functional novelty**, generate electrical energy.



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

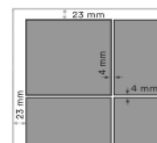
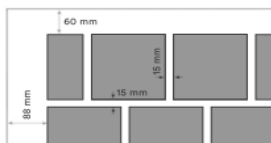


Polycrystalline
 • mc-Si PV
 • 5bb connection
 • high efficiency



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

CE 2014/35/EU
EN 50583-1

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



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