



MADE IN EUROPE



The roof integrated photovoltaic system

# Modular Glass Tile

## BIPV Roof



**Italian production plant**  
assembling with european components



**Glass Glass module**  
ultra-robust thickness



**Customized finishing**  
Color RAL | Textured Glass



**Positive tolerance** in our  
modules with **0/+5 wp**



**Direct fixing**  
to the roof joists



[www.solarday.it](http://www.solarday.it)

# The roof integrated photovoltaic system

## Modular Glass Tile BIPV Roof



### TECHNICAL FEATURES

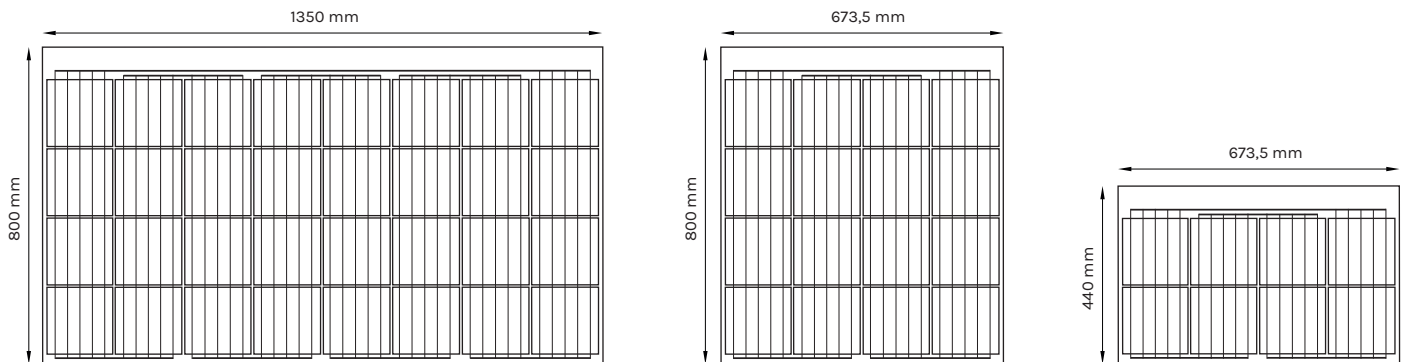
<b>Front glass:</b>	Thickness 3.2 mm, texturing / transparent
<b>Cells:</b>	Monocrystalline cells High efficiency Colored cells
<b>Encapsulant:</b>	EVA (Etilen Vinil Acetato)
<b>Back glass:</b>	Thickness 3.2 mm, black color
<b>Thickness:</b>	8 mm (-0.5mm / +1.5mm)
<b>Junction Box:</b>	IP68 / IP67
<b>Connector features:</b>	MC4 original / Compatible
<b>Cable characteristics:</b>	Ø 4 mm <sup>2</sup> - length 800 mm

### OPERATIVE CHARACTERISTICS

<b>Maximum snow load (Pa):</b>	5400
<b>Maximum load tested (Pa):</b>	8000
<b>Maximum wind speed:</b>	130 Km/h
<b>Hail:</b>	G3 Class; Ø 25 mm; 82 Km/h
<b>Reaction to fire:</b>	Class 1

### WEIGHT

<b>Modul 32 cells:</b>	32 Kg
<b>Modul 16 cells:</b>	10,5 Kg
<b>Modul 8 cells:</b>	6 Kg



### ELECTRICAL CHARACTERISTICS

	Modul 32 cells		Modul 16 cells		Modul 8 cells	
	Suncol Tile	Suncol Tile blk	Suncol Tile	Suncol Tile blk	Suncol Tile	Suncol Tile blk
<b>P<sub>max</sub> (W)</b>	150	160	75	80	37.5	40
<b>V<sub>mpp</sub> (V)</b>	16.99	17.36	8.49	8.67	4.25	4.35
<b>I<sub>mpp</sub> (A)</b>	8.87	9.22	8.87	9.22	8.87	9.22
<b>V<sub>oc</sub> (V)</b>	21.19	21.31	10.59	10.66	5.30	5.33
<b>I<sub>sc</sub> (A)</b>	9.25	9.54	9.25	9.54	9.25	9.54
<b>Tolerance</b>	0/±5 W		0/±5 W		0/±5 W	
	2 Diodes Max. Capacity fuse 15 V Max. Voltage systems 1000 V		1 Diodes Max. Capacity fuse 15 V Max. Voltage systems 1000 V		1 Diodes Max. Capacity fuse 15 V Max. Voltage systems 1000 V	

### TEMPERATURE CHARACTERISTICS

<b>Temp. Coeff. Current α (%/°C)</b>	0.025	0.048	0.025	0.048	0.025	0.048
<b>Temp. Coeff. Voltage β (%/°C)</b>	-0.28	-0.29	-0.28	-0.29	-0.28	-0.29
<b>Temp. Coeff. Power γ (%/°C)</b>	-0.42	-0.42	-0.42	-0.42	-0.42	-0.42
<b>NMOT* (°C)</b>	52	45	52	45	52	45

\*Nominal Module Operating Temperature: Irradiance 800W/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

\*The electrical data of coloured modules with texture will be confirmed by post-production tests.

### WARRANTIES

**20 YEARS**  
Product Warranty

**25 YEARS**  
Linear Warranty

### SOLARDAY CERTIFICATES

IEC 61215:2016 | EN 61730-1:2016 | EN 61730-2:2016  
UNI 9177 Class 1 Fire Class | FIRE TEST MST23 CLASS C  
IEC 62716:2013 | IEC 61701:2011  
ECOEM

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
UNI EN ISO 45001:2018  
CE

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