



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

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TECHNICAL FEATURES

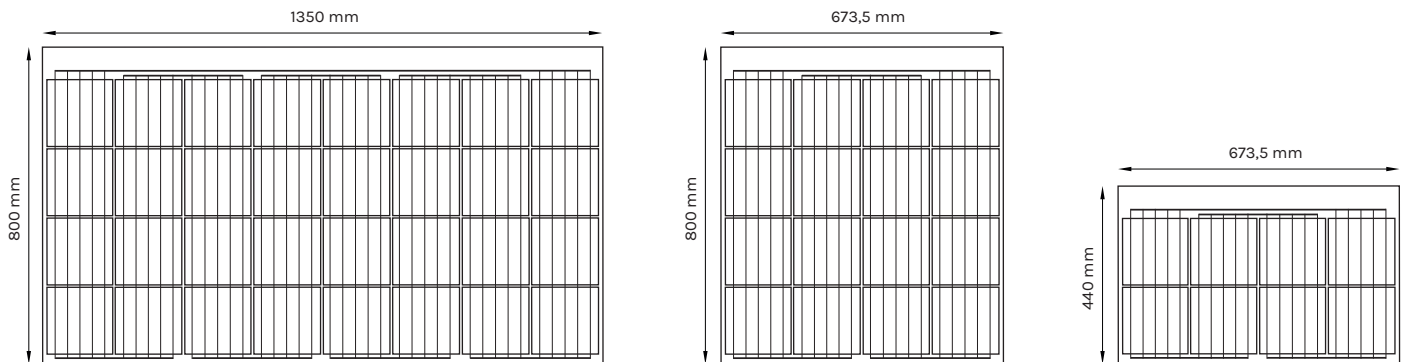
Front glass:	Thickness 3.2 mm, texturing / transparent
Cells:	Monocrystalline cells High efficiency Colored cells
Encapsulant:	EVA (Etilen Vinil Acetato)
Back glass:	Thickness 3.2 mm, black color
Thickness:	8 mm (-0.5mm / +1.5mm)
Junction Box:	IP68 / IP67
Connector features:	MC4 original / Compatible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

OPERATIVE CHARACTERISTICS

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

WEIGHT

Modul 32 cells:	32 Kg
Modul 16 cells:	10,5 Kg
Modul 8 cells:	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
P_{max} (W)	150	160	75	80	37.5	40
V_{mpp} (V)	16.99	17.36	8.49	8.67	4.25	4.35
I_{mpp} (A)	8.87	9.22	8.87	9.22	8.87	9.22
V_{oc} (V)	21.19	21.31	10.59	10.66	5.30	5.33
I_{sc} (A)	9.25	9.54	9.25	9.54	9.25	9.54
Tolerance	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

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

*Nominal Module Operating Temperature: Irradiance 800W/m²; 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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