



MADE IN EUROPE



The new photovoltaic roof tile **TX24 All In One**

BIPV Roof



Italian production plant
assembling with european components



100% recyclable



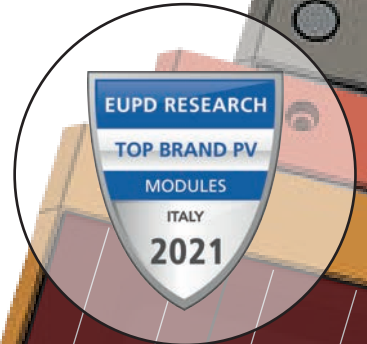
Excellent aesthetic impact throught
the colour similar to the traditional tile roof



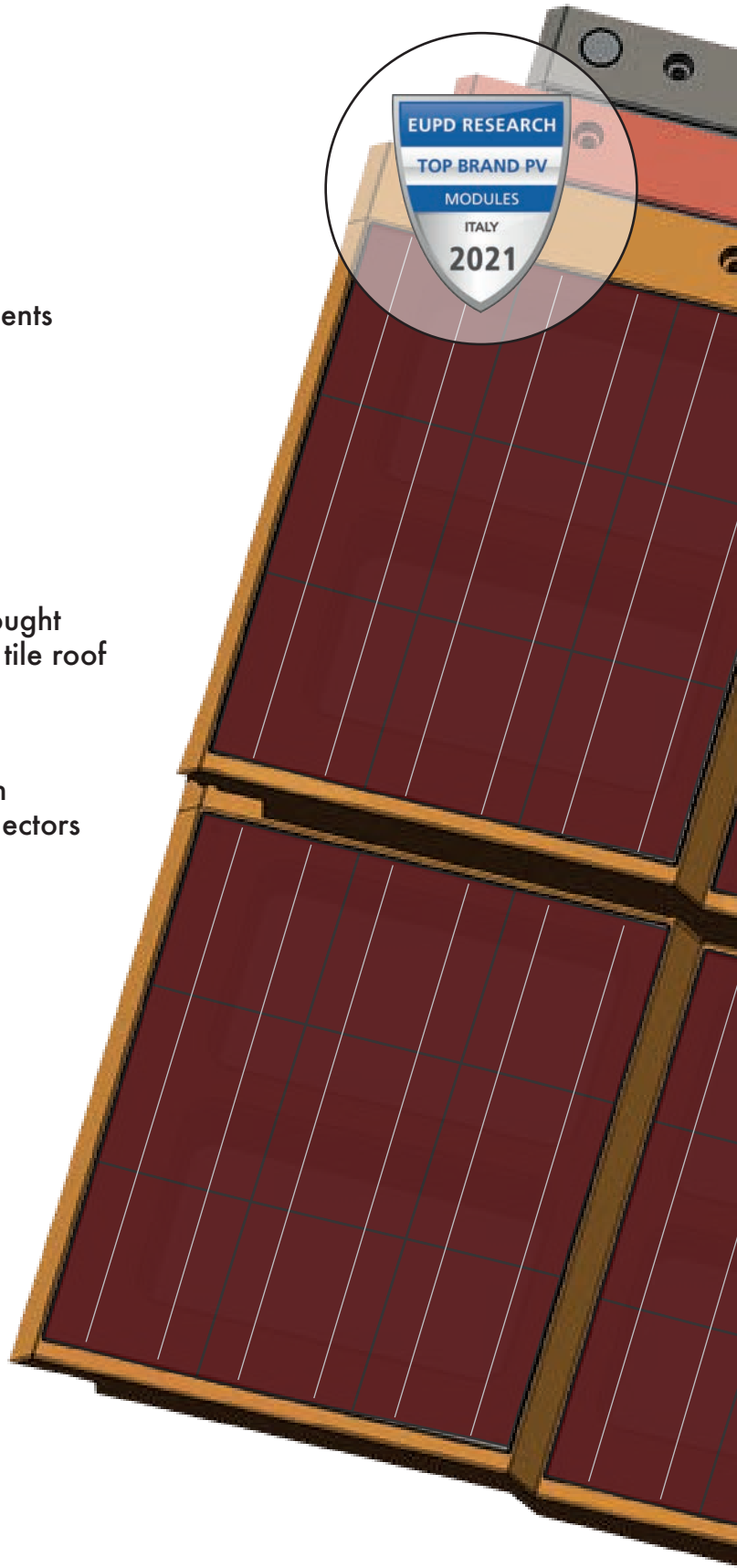
Quick and easy mounting with
patented integrated electrical connectors



Direct fixing
to the roof joists



www.solarday.it



The new photovoltaic roof tile TX24 All In On BIPV Roof



DIMENSIONAL CHARACTERISTICS

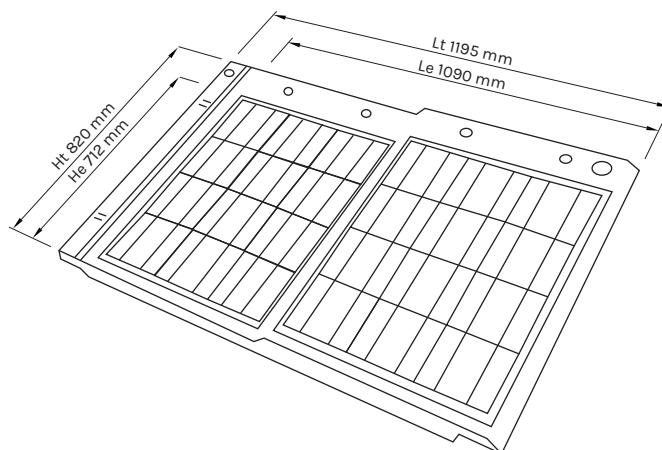
Exposed height - He:	712 mm
Exposed length - Le:	1090 mm
Total height - Ht:	820 mm
Total length - Lt:	1195 mm
Thickness:	40 mm
Vertical overlap along the pitch:	108 mm
Horizontal overlap (lateral):	105 mm
Exposed area:	0,78 m ²
Minimum roof tilt:	17°
Maximum roof tilt:	45°
Distance between the laths:	712 mm
Weight:	16 kg
Specific weight:	20 kg/m ²
Mounting screws (self-taping):	4 screws

CHARACTERISTICS OF THE COMPONENTS

Frame:	SMC (Sheet Moulding Compound) 0300 Product based on polyester resin, reinforced with glass fiber and mineral filler No melting contact with fire, no drops generation, does not develop fumes
Glass:	Tempered, pyramidal, anti-reflective, thickness 3,2 mm
Cells:	Monocrystalline 156x156 mm
Bypass diode:	Integrated in the laminate
Incapsulant:	2 sheets of EVA, thickness 0,45 mm
Backsheet:	Polyester-based multilayer, PYE / PPE, thickness 0,30 mm, transparent
Connectors:	In copper and delrin, no junction box Patented Design

ELECTRICAL CHARACTERISTICS

Number of cells	24
Power at STC (wp)	100
Voc (V)	15.4
Isc (A)	8.9
Vmpp (V)	11.9
Impp (A)	8.45
Efficiency	14.6 %
Specific Power (W/m²)	128
Temp. coefficient of Pmax	0.05 %/°C
Temp. coefficient of Isc	- 0.35 %/°C
Temp. coefficient of Voc	- 0.40 %/°C



MAIN BENEFITS

- Standard red-cooked colour and/or custom request
- Interlocking installation with sealing overlap
- Patented electrical connection without cables
- Easy fitting
- The connection between lines to create the strings is made through an integrated connection in the frame

- Reduction of installation time
- TILES (with no photovoltaic modules): to complete the roof and make it uniform, in those areas where there is no need of a photovoltaic surface, are available tiles with the same shape as photovoltaic panels but with no photovoltaic modules
The tiles can be cut or shaped as needed / 1 tile = 0,78 sqm

WARRANTIES

20 YEARS
Product Warranty

25 YEARS
Linear Warranty

PREMIUM
+5

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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