



SOLRIF[®] SYSTEM

 GRUPPOSTG[®]
LA FABBRICA ITALIANA DEL FOTOVOLTAICO



Rev. 01-2023



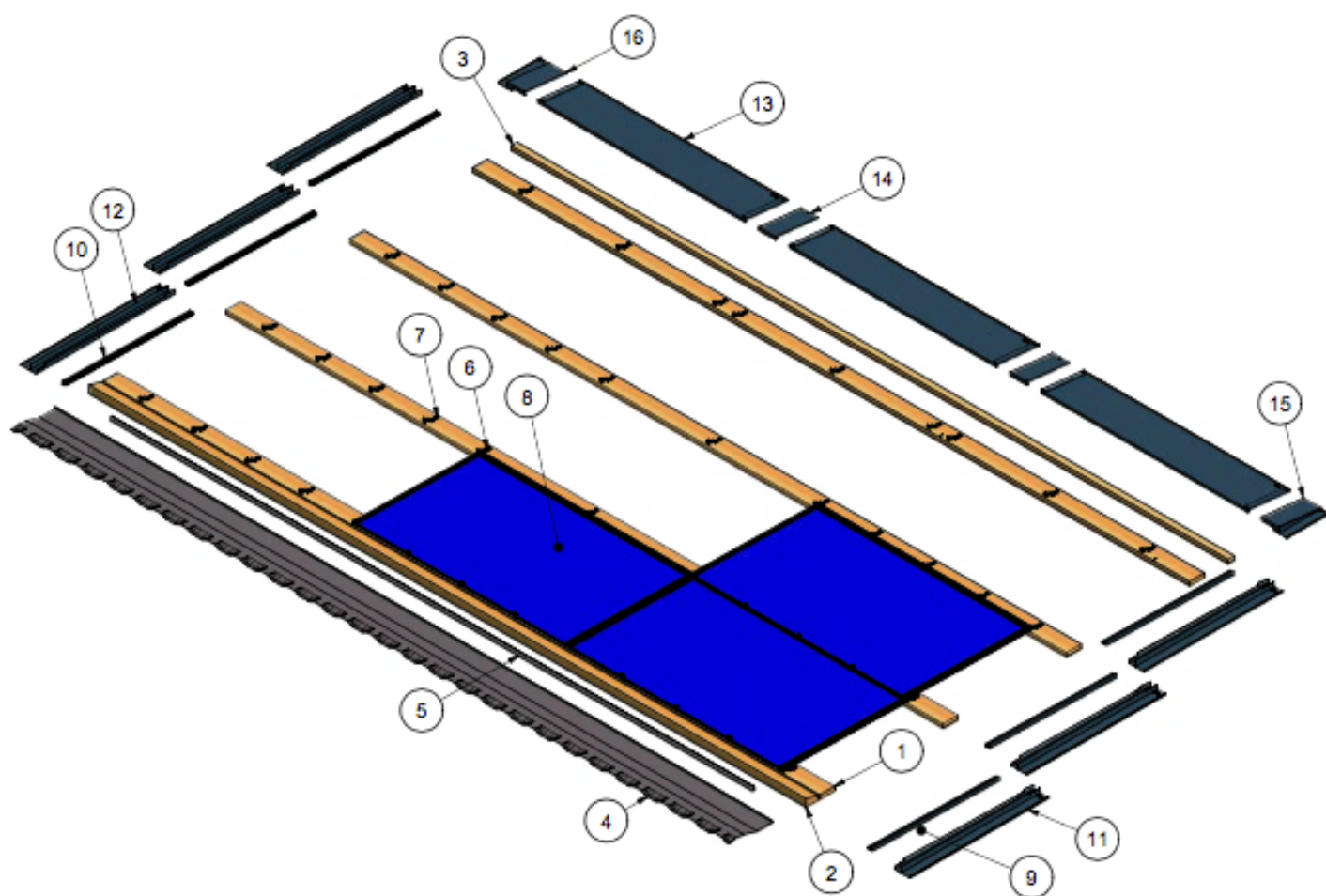
Possibility of supplying the complete Solrif® kit: photovoltaic modules with Solrif® frame + fixing substructure defined on the basis of the layout of the specific roof



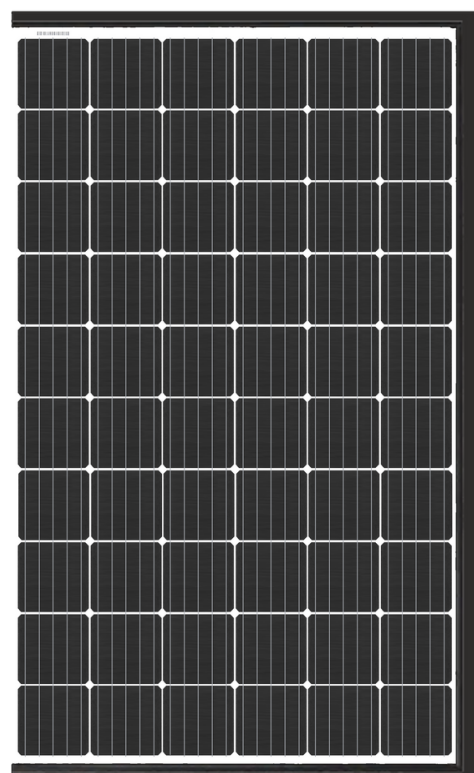
Innovative integrated system, perfect for Revamping in accordance with past Energy Accounts



Infiltration tightness guarantee



- 1) Solrif strip
- 2) Wedge-shaped strip
- 3) Support strip
- 4) Closing sheets and strip connection
- 5) Eaves profile
- 6) Profile fixing brackets
- 7) Glass fixing brackets
- 8) Photovoltaic module with Solrif frame
- 9) Right closing strip
- 10) Left closing strip
- 11) Right closing profile
- 12) Left closing profile
- 13) Upper closing profile
- 14) Junction for upper closing profile
- 15) Corner for upper right closing profile
- 16) Corner for upper left closing profile



VE360PVSF

SOLRIF® is a completely aesthetically integrated system, even in complicated architectural situations.

It guarantees reliability and quality thanks to the excellent watertightness given by the roof tile-style overlap

Upon request, passive elements can be supplied to guarantee the completion of the pitches and the aesthetic continuity.



PRODUCT CERTIFICATIONS

IEC 61215
IEC 61730

PV modules with SOLRIF®frame

for roof coverings

Electrical characteristics in STC [1][2]		VE360PV SF BS white	VE360PV TBSF BS black	VE360PV MRSF BS black/terracotta glass	VE160PV SF BS white
Power class [3]	Pmax	325 (a) Wp	310 (b) Wp	310 (b) Wp	285 (c) Wp
Power tolerance	Pmax	±3 %	±3%	±3%	±3%
Open circuit voltage	Voc	40,82 V	39,78 V	42,15 V	40,91 V
Short-circuit current	Isc	9,97 A	9,96 A	9,74 A	9,35 A
Voltage at max. power	Vmp	33,91 V	33,12 V	35,69 V	32,92 V
Current at max. power	Imp	9,58 A	9,36 A	8,69 A	8,66 A
Reverse current carrying capacity	A	18 A	18 A	18 A	18 A
Efficiency	%	19,70 %	18,79 %	18,78 %	17,27 %

[1] Electrical values measured in STC conditions of: Irradiance 1000 W/m² - Module temperature = 25°C - Air mass AM 1.5 - Wind speed 1 m/s.

[2] Measurement tolerance of Pmp, Vmp, Imp, Voc, Isc values equal to (-/+ 3%) with class A solar simulator in accordance with IEC 60904-9.

[3] Sorting tolerance Pmax : 0/+4.99 W

a) Possibility of reducing the power up to 295 Wp

b) Possibility of reducing the power up to 280 Wp

c) Possibility of reducing the power up to 260 Wp

Thermal characteristics [4]

TC Isc	+0,049 %/°C
TC Voc	- 0,2693 %/°C
TC Pmpp	- 0,3562 %/°C

[4] NMOT value tested under conditions of:

1. Air temperature Te, NOCT = 20 °C;

2. GNOCT irradiance = 800 W/m²; Wind speed 1m/s;

3. Module resting on a surface inclined at 37°, therefore absence of thermal convection on the lower surface.

The company reserves the right to make changes to the technical data of the product. The data sheet corresponds to the requirements of the EN 50380 standard.



Mechanical characteristics

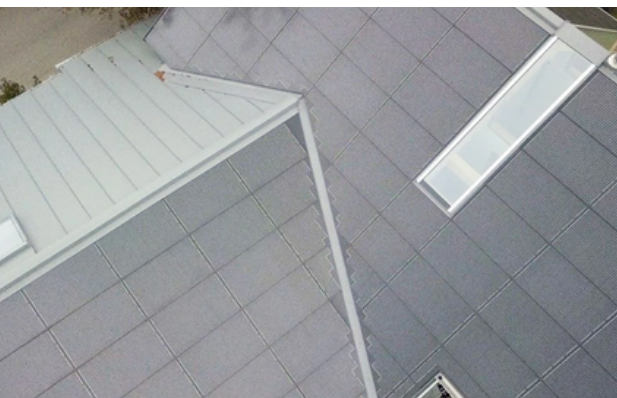
Height	1693 mm
Length	1025 mm
Thickness	17 mm
Weight	18 Kg
Cell typology	60 Monocrystalline/polycrystalline cells
Front layer	Tempered anti-reflection solar glass (EN 12150)
Encapsulating	EVA
Back layer	white/black PET
Type of protection	IP68
Electric connections	Edge connectors
Cable	Solar cable 4 mm2 - Length 1.5 m
Maximum load in pressure/traction	5400 Pa/2400 Pa

SYSTEM LIMITS

- Temperature operating conditions from -40°C to 85°C
- Max voltage system class II - 1000 V

**STANDARDS, CERTIFICATIONS
AND GUARANTEES**

- **IEC 61215:2005 IEC 61730**
- **20-year** product warranty and **30-year** power warranty
- The design and model of the photovoltaic tile are registered with the Ministry of Economic Development n. dep. 402020000001090 dated 08/04/2020



It is possible to customize the form for:

- 1) Type of photovoltaic cell inserted;
- 2) Configuration of the number of cells (up to a maximum of 66 cells);
- 3) Dimensions.

Based on the type of customization, the company reserves the right to check with the accredited laboratory the technical feasibility and any extra costs necessary for certification.

The photos in this brochure are the property of **Schweizer**

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