Silk® Nova Red

Silk® Color
Italian Solar Design

400 W
Module power

3005
RAL code

n-type
Technology

Key benefits and features

- Power of 400 Watt
- 96 G12R HC n-type half-cut cells (M10)
- Perfect for traditional roofs with red tiles and historical areas
- Colour coated glass with anti-reflective coating (ARC)
- Red colored glass and frame for special achitectural requirements (similar to RAL 3005)*
- 1762 x 1134 x 30 mm (mm)

Performance guarantee

- 25-years performance warranty with max power decrease from 2nd year 0.4%/year
- 99% at the end of first year
- 92% at the end of 20th year
- 89% at the end of 25th year

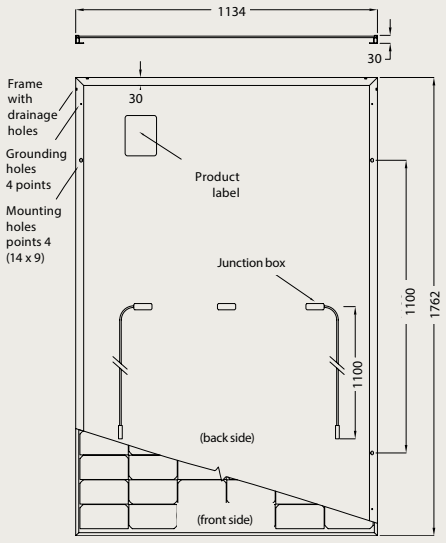
Product guarantees

- 15-year product warranty
- Third-party product liability insurance
- All FuturaSun's modules are designed and guaranteed by the Italian headquarters

*All images shown are for illustration purpose only, product appearance and colour reference (RAL) may vary according to the installation, light and ambient reflection.

Mechanical Specifications

Dimensions	1762 x 1134 x 30 mm
Weight	21.3 kg
Glass	Red, High transmission, Tempered, ARC, Thickness 3.2 mm
Cells	96 monocrystalline half-cut n-type cells 182 x 105 mm
Frame	Varnished anodized aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors
Backsheet	Composite Multilayer film - white
Maximum reverse current (Ir)	25 A
Maximum system voltage	1000 V (1500 V on request)
Mechanical load (snow)	Design load: 3600 Pa, (5400 Pa including safety factor 1.5)
Mechanical load (wind)	Design load: 1600 Pa, (2400 Pa including safety factor 1.5)



Note: dimensions in mm, tolerance +/- 2 mm

Electrical data - STC*		FU 400 M
Sorting tolerance	W	0/+5
Module power (Pmax)	W	400
Open circuit voltage (Voc)	V	35.55
Short circuit current (Isc)	A	13.38
Maximum power voltage (Vmpp)	V	30.70
Maximum power current (Impp)	A	13.03
Module efficiency	%	20.02

Electrical data - NOCT**		FU 400 M
Module power (Pmax)	W	301
Open circuit voltage (Voc)	V	33.79
Short circuit current (Isc)	A	10.80
Maximum power voltage (Vmpp)	V	28.58
Maximum power current (Impp)	A	10.52

Temperature ratings

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.28
Temperature coefficient Pmax	%/°C	-0.29
NOCT**	°C	45
Operating temperature	°C	from -40 to +85

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	Class 1 UNI9177, IEC EN 61730, IEC EN 61215

Packaging

Quantity / Pallet	36 pcs
Container 40' HC	936 pcs / 26 pallets

The information included in this module datasheet is subject to change without notice and is provided for informational purposes only. No contractual rights are established or should be inferred because of user's reliance on the information contained in this module datasheet. Please refer to the appropriate module user guide and module product specification document for more detailed technical information regarding module performance, installation and use.

*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%). Voc (±4%). Isc (±5%)
**Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5

EN_01

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For detailed information, please refer to the installation manual