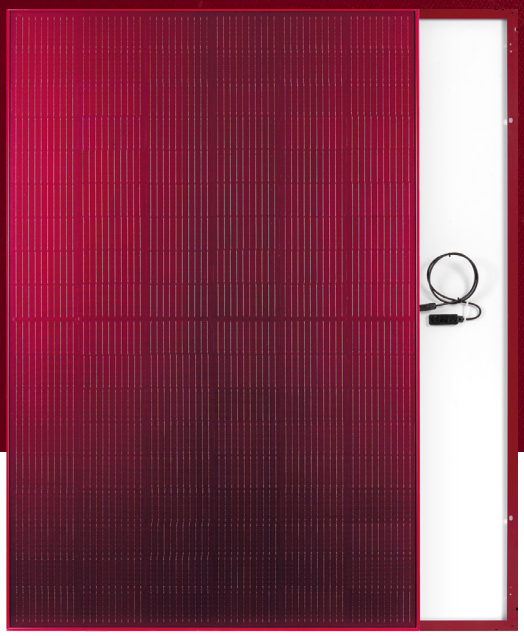
Silk® Nova Red

FuturaSun® anticipate tomorrow



510 W
Maximum power

n-type
Technology inside

KEY BENEFITS AND FEATURES

- Power **510 Watt**
- **Red colored glass and frame** for special achitectural requirements (similar to RAL 3005)*
- Perfect for traditional **roofs with red tiles** and historical areas
- 144 M10 **n-type** half-cut cells
- Coloured glass for a **consistent appearance over time**
- 2278 x 1134 x 35 mm

Performance guarantee

- **25-years** performance warranty with max power decrease from 2nd year **0.4%**/year
- **99%** at the end of first year
- **91.4%** at the end of 20th year
- **89.4%** at the end of 25th year

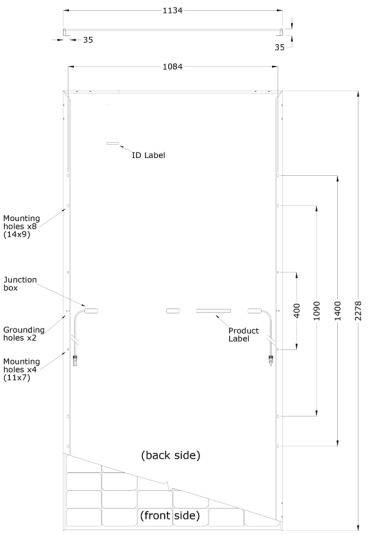
Product guarantees

- **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	2278 x 1134 x 35 mm
Weight	28.2 kg
Glass	Red, High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	144 monocrystalline half-cut n-type cells 182 x 91 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 4mm², length 1400 mm or customized with connectors type JM608
Backsheet	Composite Multilayer film - white on the back
Maximum reverse current (Ir)	25 A
Maximum system voltage	1500 V
Mechanical load (snow)	Design load: +1600 Pa, (+2400 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*

		FU510MV Silk Nova Red
Sorting tolerance	W	0~+5
Module power (Pmax)	W	510
Open circuit voltage (Voc)	V	52.76
Short circuit current (Isc)	A	12.08
Maximum power voltage (Vmpp)	V	44.81
Maximum power current (Impp)	A	11.39
Module efficiency	%	19.74

Electrical data - NOCT**

		FU510MV Silk Nova Red
Module power (Pmax)	W	278
Open circuit voltage (Voc)	V	36.67
Short circuit current (Isc)	A	9.65
Maximum power voltage (Vmpp)	V	30.17
Maximum power current (Impp)	A	9.22

Temperature ratings

Temperature coefficient Isc	%/°C	0.045
Temperature coefficient Voc	%/°C	-0.25
Temperature coefficient Pmax	%/°C	-0.29
NOCT**	°C	45
Operating temperature	°C	from -40 to +85
Module (T98) max	°C	70

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	IEC 61215, IEC 61730, Fire ratig Class C

Packaging

Quantity / Pallet	31 pcs
Container 40' HC	620 pcs / 20 pallets

*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

Product Made in P.R.C.
AUS_01

FuturaSun® anticipate tomorrow
Riva del Pasubio 14, 35013 Cittadella, PD, Italy
+39 049 5979802 | info@futurasun.it | futurasun.com

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For detailed information, please refer to the installation manual