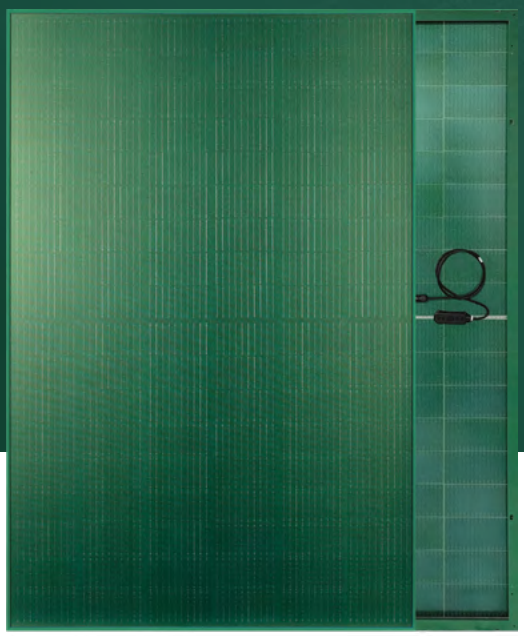
Silk® Nova Green Duetto

FuturaSun® anticipate tomorrow



410 W
Maximum power

n-type
Technology inside

KEY BENEFITS AND FEATURES

- Power from **400 to 410 Watt**
- **Green colored glass and frame** for special achitectural requirements (similar to RAL 6000)*
- Ideal for “invisible” **greenfield installations** and **fences**
- 96 G12R **n-type bifacial** half-cut cells
- Glass-glass module with **colour coated glass** with **anti-reflective coating (ARC)**
- 1762 x 1134 x 30 mm

Performance guarantee

- **30-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
- **87%** at the end of 30th year

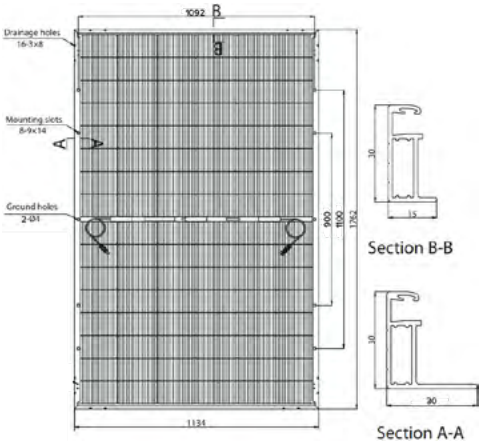
Product guarantees

- **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	25.5 kg
Glass	Front - 2.0 mm solar glass with ARC Back - 2.0 mm Solar glass
Cells	96 monocrystalline bifacial half-cut MBB 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
Backglass	Green
Maximum reverse current (Ir)	25 A
Maximum system voltage	1500 V
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		FU 400 M		FU 405 M		FU 410 M	
TEST CONDITIONS		STC*	BNPI**	STC*	BNPI**	STC*	BNPI**
Module power (Pmax)	W	400	443.20	405	448.74	410	454.28
Open circuit voltage (Voc)	V	33.78	33.88	33.95	34.04	34.12	34.21
Short circuit current (Isc)	A	15.36	17.02	15.42	17.09	15.49	17.16
Maximum power voltage (Vmpp)	V	28.03	28.03	28.22	28.22	28.42	28.42
Maximum power current (Impp)	A	14.29	15.81	14.36	15.90	14.43	15.99
Module efficiency	%	20.04	22.18	20.28	22.46	20.53	22.74
Isc at BSI****	A	19.05		19.12		19.20	
Sorting tolerance	W	0/+5					

Electrical data - NOCT***		FU 400 M	FU 405 M	FU 410 M
Module power (Pmax)	W	302.25	305.69	309.17
Open circuit voltage (Voc)	V	31.96	32.14	32.32
Short circuit current (Isc)	A	12.44	12.49	12.53
Maximum power voltage (Vmpp)	V	26.18	26.36	26.53
Maximum power current (Impp)	A	11.54	11.60	11.65

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	Ongoing: IEC EN 61730, IEC EN 61215, Class 1 UNI9177

Packaging

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

*Standard Test Conditions (STC): 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%). Voc (±4%). Isc (±5%)
**Bifacial Name Plate Irradiance (BNPI) Front side irradiation 1000 W/m² Back side reflection irradiation 135 W/m² Ambient temperature 25 °C
***Nominal Operating Cell Temperature (NOCT): 800 W/m² - T=45 °C - AM 1.5
****Bifacial Stress Irradiance (BSI): Front side irradiation 1000 W/m², Back side reflection irradiation 300 W/m²

EN_02

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For detailed information, please refer to the installation manual