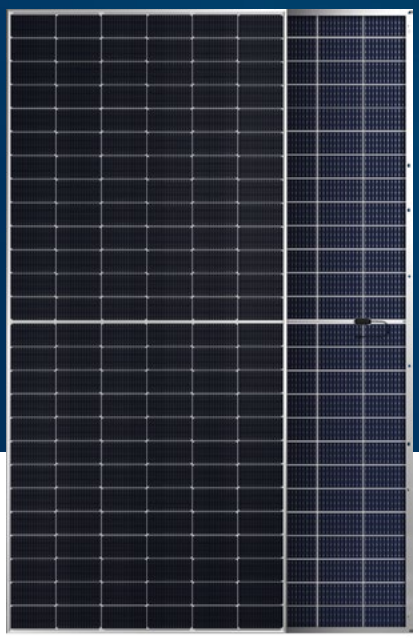
Silk® Nova RE Duetto

FuturaSun® anticipate tomorrow



- Not assembled in China
- Cells of non-Chinese origin
- Upon request: Equipped with a third component for solar technology of non-Chinese origin

n-type | TECHNOLOGY INSIDE

645 W
Maximum power

23.07 %
Maximum efficiency

KEY BENEFITS AND FEATURES

- Power from **620** to **645 Watt**
- 156 M10 **n-type bifacial** half-cut cells
- 2465 × 1134 × 35 mm
- Ideal for **agrivoltaics, C&I installations, Net Zero Idustry Act (NZIA)**
- Suitable for installations **up to 1500 V**
- Compliant with MASE Directorial Decree No.36 of 03.09.2025. Criteria a), b), d).

Performance guarantee

- **30-years** performance warranty with max power decrease from 1st 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

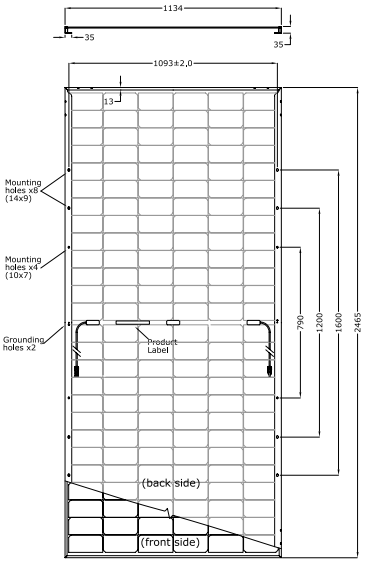
Product guarantees

- **15-year** product and performance 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 may vary according to the installation, light and ambient reflection.

Mechanical Specifications

Dimensions	2465 × 1134 × 35 mm
Weight	34.9 kg
Front glass	2.0 mm solar glass with ARC
Cells	156 monocrystalline half-cut MBB n-type bifacial cells
Frame	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 300mm(+), 400mm(-) or customized, assembled with 4mm² compatible connectors
Back glass	2.0 mm Semi-tempered white-patterned glass
Maximum reverse current (Ir)	30 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 620 MV		FU 625 MV		FU 630 MV		FU 635 MV		FU 640 MV		FU 645 MV	
TEST CONDITIONS		STC*	BNPI**	STC*	BNPI**	STC*	BNPI**	STC*	BNPI**	STC*	BNPI**	STC*	BNPI**
Module power (Pmax)	W	620	683	625	688	630	694	635	699	640	705	645	710
Open circuit voltage (Voc)	V	56,15	56,15	56,34	56,34	56,53	56,53	56,73	56,73	56,92	56,92	57,11	57,11
Short circuit current (Isc)	A	13,71	15,09	13,76	15,15	13,82	15,21	13,87	15,27	13,93	15,33	13,98	15,39
Maximum power voltage (Vmpp)	V	47,49	47,49	47,67	47,67	47,86	47,86	48,04	48,04	48,23	48,23	48,41	48,41
Maximum power current (Impp)	A	13,06	14,38	13,11	14,44	13,17	14,50	13,22	14,56	13,28	14,62	13,33	14,68
Module efficiency	%	22.18	24.43	22.36	24.61	22.54	24.83	22.72	25.01	22.90	25.22	23.07	25.40
Isc at BSI****	A	17,00		17,07		17,13		17,20		17,27		17,34	
Sorting tolerance	W	0/+5											

Electrical data - NOCT***		FU 620 MV	FU 625 MV	FU 630 MV	FU 635 MV	FU 640 MV	FU 645 MV
Module power (Pmax)	W	466	470	474	478	481	485
Open circuit voltage (Voc)	V	52,99	53,17	53,35	53,53	53,71	53,89
Short circuit current (Isc)	A	11,07	11,12	11,16	11,20	11,25	11,29
Maximum power voltage (Vmpp)	V	44,21	44,38	44,55	44,72	44,89	45,06
Maximum power current (Impp)	A	10,55	10,59	10,64	10,68	10,72	10,77

Temperature ratings

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.24
Temperature coefficient Pmax	%/°C	-0.29
NOCT**	°C	45 ± 2
Operating temperature	°C	from -40 to +85

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	IEC EN 61215, IEC EN 61730 Factory Inspection Attestation EN 13501-1 Class E

Packaging

Quantity / Pallet	31 pcs
Container 40' HC	496 pcs / 16 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%)
**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_05

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CE

For detailed information, please refer to the installation manual