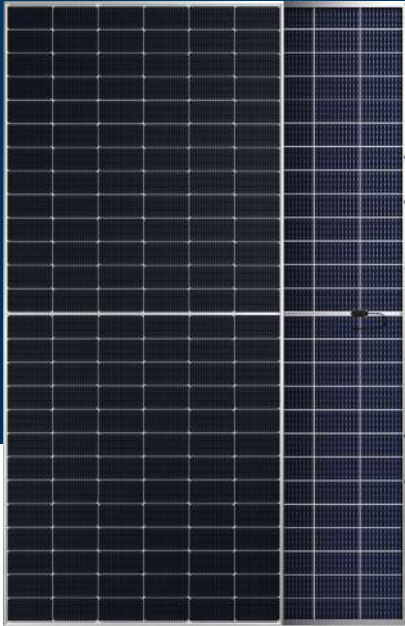


Silk[®] Nova Duetto



N-type | TECHNOLOGY
INSIDE

625 W 22.4 %

Maximum power

Maximum efficiency

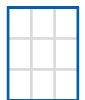
KEY BENEFITS AND FEATURES



Power from **615 to 625 Watt**



156 **M10 N-type bifacial** half-cut cells



Silver frame and white patterned back-glass



Ideal for **agrivoltaics** and **C&I** installations



Suitable for installations up to **1500 V**



2465 x 1134 x 30 mm

Performance guarantee

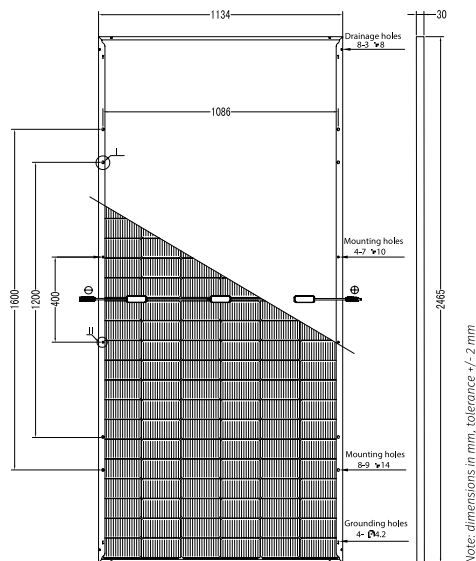
- **30-years** performance warranty with max power decrease from 1st year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **87%** at the end of 25th year

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

Mechanical Specifications

Dimensions	2465 x 1134 x 30 mm
Weight	34.5 kg
Glass	Front - 2.0 mm solar glass with ARC Back - 2.0 mm heat strengthened glass
Cells	156 monocrystalline half-cut MBB N-type bifacial cells 182 x 91 mm
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 +300/-300 mm or customized assembled with 4mm ² compatible connectors
Back glass	Transparent - white grid
Maximum reverse current (I _r)	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)



Electrical data

		FU 615 MV		FU 620 MV		FU 625 MV	
TEST CONDITIONS		STC*	BSTC**	STC*	BSTC**	STC*	BSTC**
Module power (P _{max})	W	615	681.37	620	687.26	625	692.56
Open circuit voltage (V _{oc})	V	55.43	55.43	55.56	55.56	55.71	55.71
Short circuit current (I _{sc})	A	14.12	15.64	14.20	15.73	14.28	15.82
Maximum power voltage (V _{mpp})	V	45.76	45.76	45.94	45.94	46.14	46.14
Maximum power current (I _{mpp})	A	13.44	14.89	13.50	14.96	13.55	15.01
Module efficiency	%	22.00	24.40	22.20	24.60	22.40	24.80
Sorting tolerance	W	0/+5					

Electrical data - NOCT**

		FU 615 MV	FU 620 MV	FU 625 MV
Module power (P _{max})	W	467.07	470.75	474.55
Open circuit voltage (V _{oc})	V	52.56	52.68	52.83
Short circuit current (I _{sc})	A	11.38	11.45	11.51
Maximum power voltage (V _{mpp})	V	43.57	43.75	43.94
Maximum power current (I _{mpp})	A	10.72	10.76	10.80

Temperature ratings

Temperature coefficient I _{sc}	%/°C	0.045
Temperature coefficient V _{oc}	%/°C	-0.25
Temperature coefficient P _{max}	%/°C	-0.29
NOCT**	°C	45 ± 2
Operating temperature	°C	from -40 to +85

Certifications

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

Packaging

Quantity / Pallet	36 pcs
Container 40' HC	576 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: P_{max} (±3%), V_{oc} (±4%), I_{sc} (±5%)
 **Bifacial Standard Test Conditions (BSTC) Front side irradiation 1000 Wp / sqm Back side reflection irradiation 135 Wp / sqm Ambient temperature 25 °C
 ***Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5

EN_05