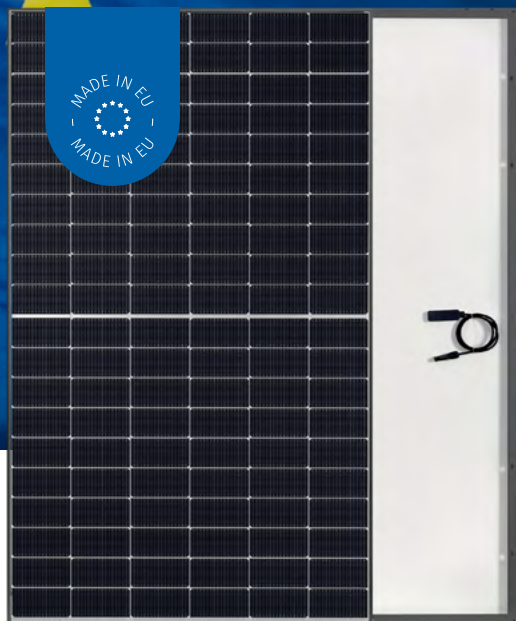


Silk[®] Nova EU



n-type

TECHNOLOGY
INSIDE

480 W 22.17 %

Maximum power

Maximum efficiency

KEY BENEFITS AND FEATURES



Power of **480 Watt**



120 **n-type** half-cut cells



Assembly **eligible for tax credit** under the Italian 'Transition 5.0' plan



High efficiency and enhanced low light performance



Made in **Europe**



1909 x 1134 x 35 mm

Performance guarantee

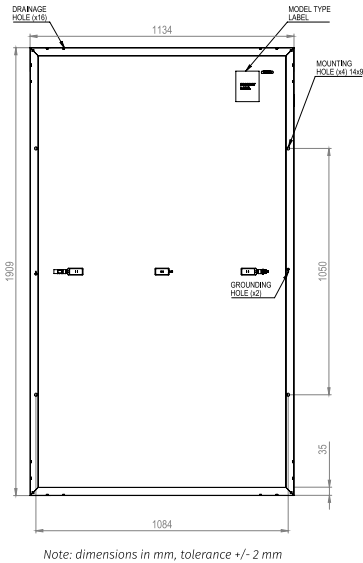
- **25-years** performance warranty with max power decrease from first year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **89%** at the end of 25th year

Product guarantees

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

Mechanical Specifications

Dimensions	1909 x 1134 x 35 mm
Weight	22.3 kg
Glass	AR Coated, Tempered solar glass, 3,2 mm
Cells	TOPCon, 120 cells, mono-Si, 182x91 mm +/- 1 mm
Frame	Black anodized aluminium frame with twin-wall profile and drainage holes
Junction boxes	IP68 with 3 Bypass diodes
Cables	Solar cable 4 mm², length 1100 mm, MC4 compatible connectors
Backsheet	Composite polyester Film
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)



Electrical data - STC*

FU 480 MVBF

Sorting tolerance	W	0/+5
Module power (Pmax)	W	480
Open circuit voltage (Voc)	V	42,85
Short circuit current (Isc)	A	14,38
Maximum power voltage (Vmpp)	V	35,10
Maximum power current (Impp)	A	13,68
Module efficiency	%	22,17

Electrical data - NOCT**

FU 480 MVBF

Module power (Pmax)	W	363,5
Open circuit voltage (Voc)	V	40,73
Short circuit current (Isc)	A	11,62
Maximum power voltage (Vmpp)	V	33,44
Maximum power current (Impp)	A	10,87

Temperature ratings

Temperature coefficient Isc	%/°C	0,033
Temperature coefficient Voc	%/°C	-0,22
Temperature coefficient Pmax	%/°C	-0,322
NOCT**	°C	45 ± 2
Operating temperature	°C	from -40 to +85

Certifications

Factory	ISO 9001 - 14001 - 45001 Factory Inspection attestation
Product	IEC EN 61730, IEC EN 61215, Fire Class C, Class 1 UNI9177

Packaging

Quantity / Pallet	31 pcs
Truck	806 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