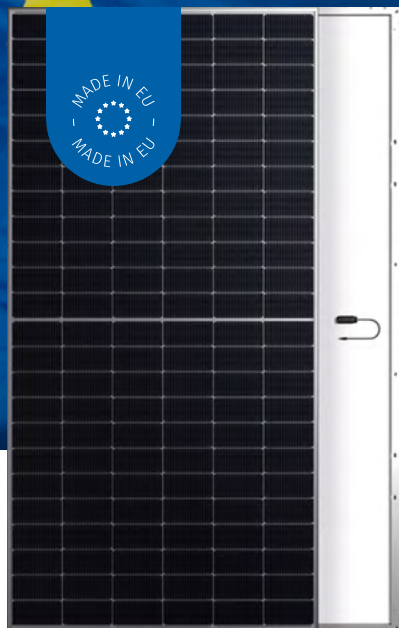


Silk[®] Nova EU



n-type

TECHNOLOGY
INSIDE

580 W 22.45 %

Maximum power

Maximum efficiency

KEY BENEFITS AND FEATURES



Power of **580 Watt**



144 M10 **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**



2278 x 1134 x 35 mm

Performance guarantee

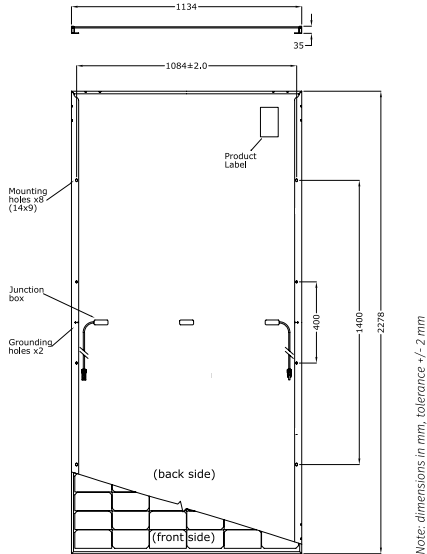
- **25-years** performance warranty with max power decrease from 2nd year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **89%** at the end of 25th year

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	2278 x 1134 x 35 mm
Weight	27 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	144 monocrystalline half-cut MBB n-type 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 1400 mm or customized assembled with 4mm² compatible connectors
Backsheet	Composite Multilayer 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 580 MV

Sorting tolerance	W	0/+5
Module power (Pmax)	W	580
Open circuit voltage (Voc)	V	51,05
Short circuit current (Isc)	A	14,50
Maximum power voltage (Vmpp)	V	42,34
Maximum power current (Impp)	A	13,71
Module efficiency	%	22,45

Electrical data - NOCT**

FU 580 MV

Module power (Pmax)	W	439,4
Open circuit voltage (Voc)	V	48,49
Short circuit current (Isc)	A	11,71
Maximum power voltage (Vmpp)	V	39,98
Maximum power current (Impp)	A	10,99

Temperature ratings

Temperature coefficient Isc	%/°C	0.045
Temperature coefficient Voc	%/°C	-0.25
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, Fire Class C, Class 1 UNI9177

Packaging

Quantity / Pallet	31 pcs
Container 40' HC	682 pcs / 22 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

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