



390 W N-type

Maximum power

Technology inside

KEY BENEFITS AND FEATURES



Power **390 Watt**



108 M10 **N-type** half-cut cells



Green colored glass and frame for special architectural requirements (similar to RAL 6000)*



Coloured glass for a **consistent appearance over time**



Ideal for “invisible” **greenfield installations**



1722 x 1134 x 30 mm

Performance guarantee

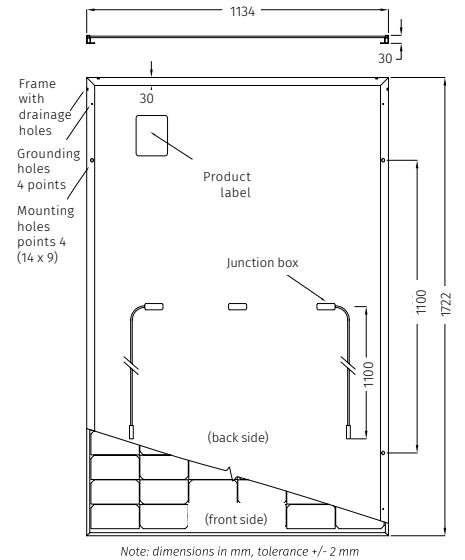
- **25-years** performance warranty with max power decrease from 2nd year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **89%** at the end of 25th year

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	1722 x 1134 x 30 mm
Weight	20.8 kg
Glass	Green, High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	108 monocrystalline half-cut MBB N-type cells 182 x 91 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 4mm ² compatible connectors
Backsheet	Composite Multilayer film - white
Maximum reverse current (I _r)	25 A
Maximum system voltage	1000 V (1500 V on request)
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 390 M

Sorting tolerance	W	0/+5
Module power (P _{max})	V	390
Open circuit voltage (V _{oc})	A	38.12
Short circuit current (I _{sc})	V	12.46
Maximum power voltage (V _{mpp})	A	32.15
Maximum power current (I _{mp})	%	12.19
Module efficiency	%	19.97

Electrical data - NOCT**

FU 390 M

Module power (P _{max})	W	294
Open circuit voltage (V _{oc})	V	36.24
Short circuit current (I _{sc})	A	10.06
Maximum power voltage (V _{mpp})	V	29.93
Maximum power current (I _{mp})	A	9.84

Temperature ratings

Temperature coefficient I _{sc}	%/°C	0.05
Temperature coefficient V _{oc}	%/°C	-0.28
Temperature coefficient P _{max}	%/°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

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*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: P_{max} (±3%), V_{oc} (±4%), I_{sc} (±5%)
 **Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5

Notice: All data and specifications are preliminary and subject to change without notice.

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