



## 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

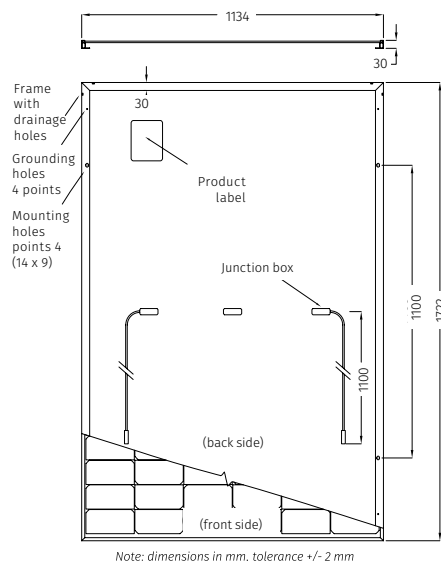
- **25-years** performance warranty with max power decrease from 2<sup>nd</sup> year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20<sup>th</sup> year
- **89%** at the end of 25<sup>th</sup> year

### 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 <sup>2</sup> compatible connectors
Backsheet	Composite Multilayer film - white
Maximum reverse current (I <sub>r</sub> )	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 <sub>max</sub> )	W	390
Open circuit voltage (V <sub>oc</sub> )	V	38.12
Short circuit current (I <sub>sc</sub> )	A	12.46
Maximum power voltage (V <sub>mpp</sub> )	V	32.15
Maximum power current (I <sub>mp</sub> )	A	12.19
Module efficiency	%	19.97

## Electrical data - NOCT\*\*

## FU 390 M

Module power (P <sub>max</sub> )	W	294
Open circuit voltage (V <sub>oc</sub> )	V	36.24
Short circuit current (I <sub>sc</sub> )	A	10.06
Maximum power voltage (V <sub>mpp</sub> )	V	29.93
Maximum power current (I <sub>mp</sub> )	A	9.84

## Temperature ratings

Temperature coefficient I <sub>sc</sub>	%/°C	0.05
Temperature coefficient V <sub>oc</sub>	%/°C	-0.28
Temperature coefficient P <sub>max</sub>	%/°C	-0.29
NOCT**	°C	45
Operating temperature	°C	from -40 to +85

## Certifications

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

## Packaging

Quantity / Pallet	36 pcs
Container 40' HC	936 pcs / 26 pallets

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\*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: P<sub>max</sub> (±3%), V<sub>oc</sub> (±4%), I<sub>sc</sub> (±5%)  
 \*\*Nominal Operating Cell Temperature NOCT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5

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

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