



380 W

Module power

8007

RAL code

n-type

Technology

Key benefits and features



Power 380 Watt



108 M10 n-type half-cut cells



Perfect for traditional roofs with terracotta tiles and historical areas



Colour coated glass for a consistent appearance over time



Orange-terracotta colored glass and frame for special architectural requirements (similar to RAL 8007)*



1722 x 1134 x 30 mm

Performance guarantee

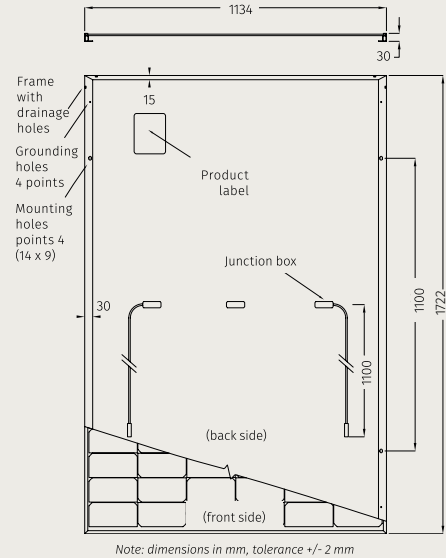
- 25-years performance warranty with max power decrease from 2nd year 0.4%/year
- 99% at the end of first year
- 92% at the end of 20th year
- 89% at the end of 25th year

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	Orange coated, High Transmission, 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 4mm² compatible connectors
Backsheet	Composite Multilayer film
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 380 M

Sorting tolerance	W	0/+5
Module power (P _{max})	W	380
Open circuit voltage (V _{oc})	V	38.75
Short circuit current (I _{sc})	A	12.19
Maximum power voltage (V _{mpp})	V	32.48
Maximum power current (I _{mpp})	A	11.70
Module efficiency	%	19.49

Electrical data - NOCT**

FU 380 M

Module power (P _{max})	W	286
Open circuit voltage (V _{oc})	V	36.83
Short circuit current (I _{sc})	A	9.84
Maximum power voltage (V _{mpp})	V	30.24
Maximum power current (I _{mpp})	A	

Temperature ratings

Temperature coefficient I _{sc}	%/°C	0.045
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	Class 1 UNI9177, 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/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