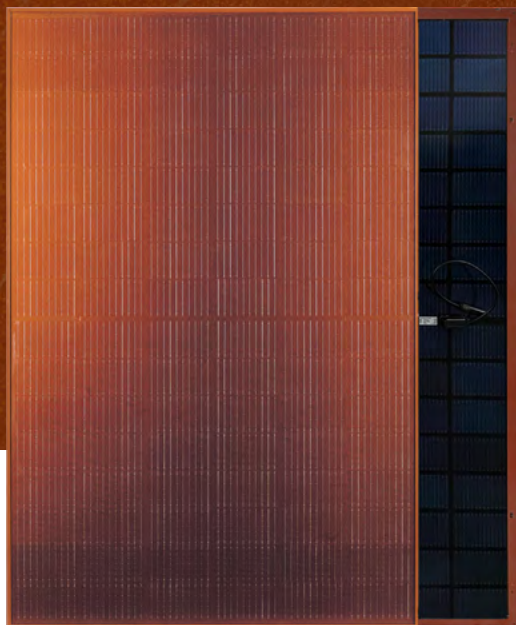


Silk[®] Nova Orange Duetto



400 W n-type

Maximum power

Technology inside

KEY BENEFITS AND FEATURES



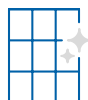
Power of **400 Watt**



96 G12R **n-type bifacial** half-cut cells



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



Coloured double glass 2+2 mm for a **consistent appearance over time**



Perfect for traditional **roofs with terracotta tiles** and historical areas



1762 x 1134 x 30 mm

Performance guarantee

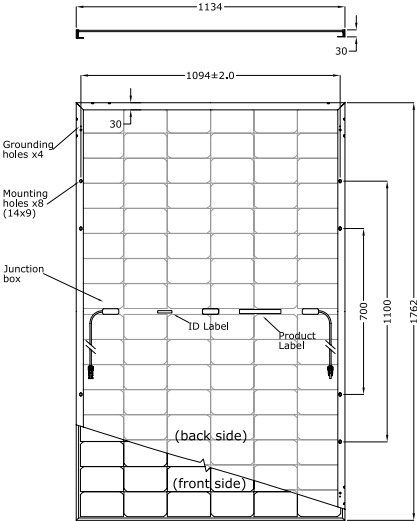
- **30-years** performance warranty with max power decrease from 2nd year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **87%** at the end of 30th year

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	1762 x 1134 x 30 mm
Weight	25.5 kg
Glass	Front -2.0 mm orange coated solar glass with ARC Back – 2.0 mm heat strengthened glass
Cells	96 monocrystalline bifacial half-cut MBB n-type cells 182 x 105 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
Backglass	black-patterned back glass, transparent back glass on request
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)



Note: dimensions in mm, tolerance +/- 2 mm

Electrical data

FU 400 M

TEST CONDITIONS		STC*	BNPI**
Module power (Pmax)	W	400	443.65
Open circuit voltage (Voc)	V	35.28	35.38
Short circuit current (Isc)	A	14.32	15.86
Maximum power voltage (Vmpp)	V	29.01	29.04
Maximum power current (Impp)	A	13.79	15.28
Module efficiency	%	20.02	22.20
Isc at BSI****	A	17.76	
Sorting tolerance	W	0/+5	

Electrical data - NOCT***

FU 400 M

Module power (Pmax)	W	301.74
Open circuit voltage (Voc)	V	33.38
Short circuit current (Isc)	A	11.60
Maximum power voltage (Vmpp)	V	27.10
Maximum power current (Impp)	A	11.14

Temperature ratings

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.28
Temperature coefficient Pmax	%/°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

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%)
**Bifacial Name Plate Irradiance (BNPI) Front side irradiation 1000 W/m² Back side reflection irradiation 135 W/m² Ambient temperature 25 °C
***Nominal Operating Cell Temperature (NOCT): 800 W/m² - T=45 °C - AM 1.5
****Bifacial Stress Irradiance (BSI). Front side irradiation 1000 W/m², Back side reflection irradiation 300 W/m²