# Silk® Nova Orange Duetto

Silk® Color
Italian Solar Design



**400 W**
Module power

**8007**
RAL code

**n-type**
Technology

## Key benefits and features

- Power of 400 Watt
- 96 G12R n-type bifacial half-cut cells
- Perfect for traditional roofs with terracotta tiles and historical areas
- Glass-glass module with colour coated glass with anti-reflective coating (ARC)
- Orange-terracotta colored glass and frame for special achitectural requirements (similar to RAL 8007)*
- 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

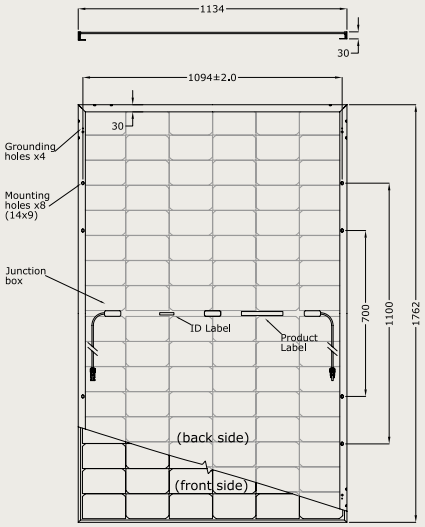
### Product guarantees

- 15-year product warranty
- Third-party product liability insurance
- All FuturaSun's modules are designed and guaranteed by the Italian headquarters

*All images shown are for illustration purpose only, product appearance and colour reference (RAL) may vary according to the installation, light and ambient reflection.

## Mechanical Specifications

| | |
|---|---|
| Dimensions | 1762 x 1134 x 30 mm |
| Weight | 25.5 kg |
| Glass | Front -2.0 mm orange coated solar glass with ARC<br>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<br>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<br>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

| 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

EN_01

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For detailed information, please refer to the installation manual