

Silk[®] Nova Green Duetto



390 W n-type

Maximum power

Technology inside

KEY BENEFITS AND FEATURES



Power **390 Watt**



108 M10 **n-type bifacial** 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 and fences**



1722 x 1134 x 30 mm

Performance guarantee

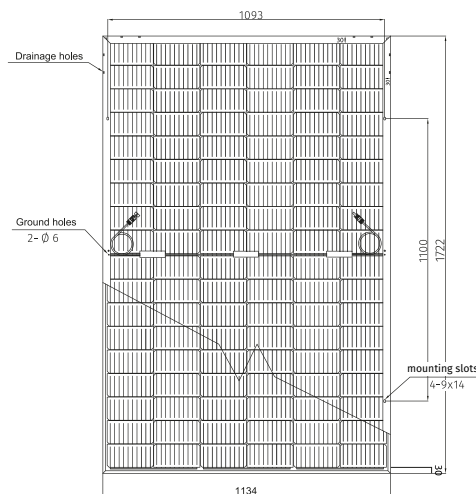
- **30-years** performance warranty with max power decrease from 2nd year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **87%** at the end of 30th year

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 | 1722 x 1134 x 30 mm |
| Weight | 25.4 kg |
| Glass | Front - 2.0 mm solar glass with ARC Back - 2.0 mm Solar glass |
| Cells | 108 monocrystalline bifacial 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 |
| Backglass | Green |
| Maximum reverse current (I _r) | 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 390 MV

| TEST CONDITIONS | | STC* | BSTC** |
|---|---|-------|--------|
| Module power (P _{max}) | W | 390 | 432.15 |
| Open circuit voltage (V _{oc}) | V | 38.12 | 38.95 |
| Short circuit current (I _{sc}) | A | 12.46 | 13.73 |
| Maximum power voltage (V _{mpp}) | V | 32.15 | 32.78 |
| Maximum power current (I _{mp}) | A | 12.19 | 13.18 |
| Module efficiency | % | 19.97 | 22.13 |
| Sorting tolerance | W | 0/+5 | |

Electrical data - NOCT***

FU 390 MV

| | | |
|---|---|-------|
| 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 |

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: P_{max} (+3%), V_{oc} (+4%), I_{sc} (+5%)
 **Bifacial Standard Test Conditions (BSTC) Front side irradiation 1000 Wp / sqm Back side reflection irradiation 135 Wp / sqm Ambient temperature 25 °C
 ***Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5

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