



PERC | TECHNOLOGY
INSIDE

340 W 20.15 %

Maximum power

Maximum efficiency

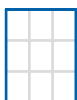
KEY BENEFITS AND FEATURES



Power **340 Watt**



120 **G1 PERC half-cut** cells



Silver frame and white backsheet



Revamping series - Specifically designed for replacement of old photovoltaic modules



Module current approx. **10 Ampere** to fit with 6 inch cell modules



1684 x 1002 x 35 mm

Performance guarantee

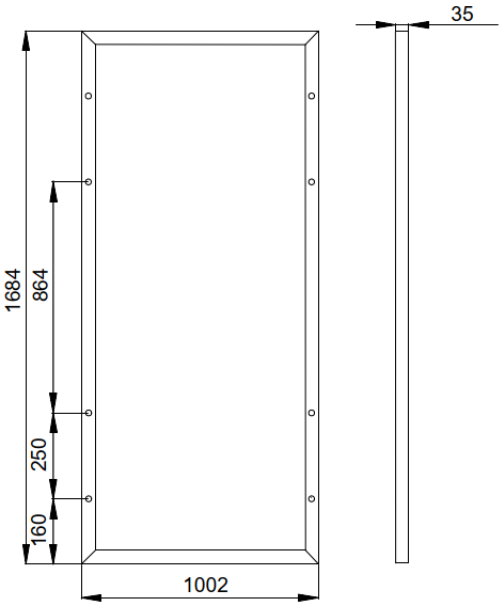
- **25-years** performance warranty with max power decrease from 2nd year **0.5%/year**
- **97%** at the end of first year
- **90%** at the end of 20th year
- **87%** at the end of 25th year

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 | 1684 x 1002 x 35 mm |
| Weight | 19.5 kg |
| Glass | High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm |
| Cells | 120 monocrystalline PERC cells 158.75 x 158.75 mm |
| Frame | Silver 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 1200 mm or customized assembled with 4mm² compatible connectors |
| Backsheet | Composite Multilayer film - white |
| Maximum reverse current (Ir) | 20 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 340 M

| | | |
|------------------------------|---|-------|
| Sorting tolerance | W | 0/+5 |
| Module power (Pmax) | W | 340 |
| Open circuit voltage (Voc) | V | 42.04 |
| Short circuit current (Isc) | A | 10.25 |
| Maximum power voltage (Vmpp) | V | 35.18 |
| Maximum power current (Impp) | A | 9.70 |
| Module efficiency | % | 20.15 |

Electrical data - NOCT**

FU 340 M

| | | |
|------------------------------|---|-------|
| Module power (Pmax) | W | 254 |
| Open circuit voltage (Voc) | V | 39.82 |
| Short circuit current (Isc) | A | 8.27 |
| Maximum power voltage (Vmpp) | V | 32.73 |
| Maximum power current (Impp) | A | 7.76 |

Temperature ratings

| | | |
|------------------------------|------|-----------------|
| Temperature coefficient Isc | %/°C | 0.048 |
| Temperature coefficient Voc | %/°C | -0.28 |
| Temperature coefficient Pmax | %/°C | -0.38 |
| NOCT** | °C | 42 |
| Operating temperature | °C | from -40 to +85 |

Certifications

| | |
|---------|---|
| Factory | ISO 9001 - 14001 - 45001 |
| Product | IEC 61215, IEC 61730, Fire Class C, Class 1 UNI9177 |

Packaging

| | |
|-------------------|----------------------|
| Quantity / Pallet | 30 - 35 pcs |
| Container 40' HC | 910 pcs / 28 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%)
**Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5