

# Next Pro



**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

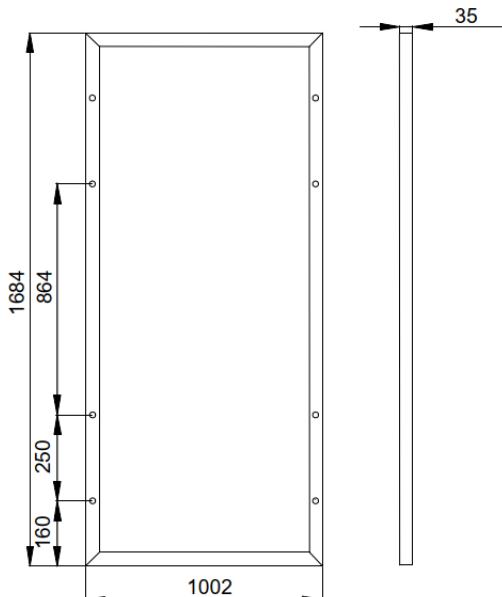
- 25-years performance warranty with max power decrease from 2<sup>nd</sup> year 0.5%/year
- 97% at the end of first year
- 90% at the end of 20<sup>th</sup> year
- 87% at the end of 25<sup>th</sup> year

### 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 4mm <sup>2</sup> 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/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)  
\*\*Nominal Operating Cell Temperature NOCT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5

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