

# FU 90 / 95 / 100 M

Polycrystalline Photovoltaic Module

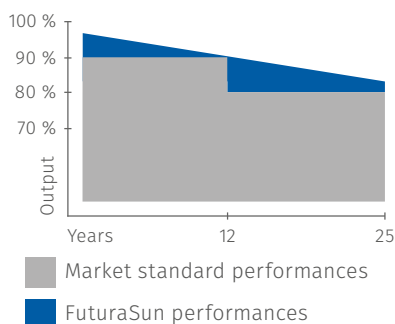
Italian Design & Project

## GENERAL FEATURES

- 12-year product warranty
- Positive sorting of power classes 0-5 Wp
- 2 bus-bar high-efficiency cells decrease ohmic losses and increase the yield
- Tempered safety 3.2 mm glass to optimize the balance between mechanical stability and transparency
- High stability against wind (2400 Pascal) and snow (5400 Pascal)
- Maximum resistance against hail (83 km/h)
- Water-repellent, high-transmittance and antireflection coating glass, to increase yield and avoid dust deposition

## GUARANTEES

### PERFORMANCE GUARANTEE



### Performance guarantee

Max power decrease 0.7%/year  
97% at the end of first year  
90% at the end of 12<sup>th</sup> year  
82% at the end of 25<sup>th</sup> year

### Product guarantee

12 years



## ELECTRICAL DATA

MODULE		FU 90 M	FU 95 M	FU 100 M
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance &lt;3%</i>				
Module power (Pmax)	W	90	95	100
Module efficiency	%	13.76	14.53	15.29
Maximum power voltage (Vmpp)	V	17.50	17.95	18.40
Maximum power current (Impp)	A	5.15	5.30	5.43
Open circuit voltage (Voc)	V	21.79	22.37	22.95
Short circuit current (Isc)	A	5.55	5.70	5.85
Maximum system voltage	V	1000	1000	1000

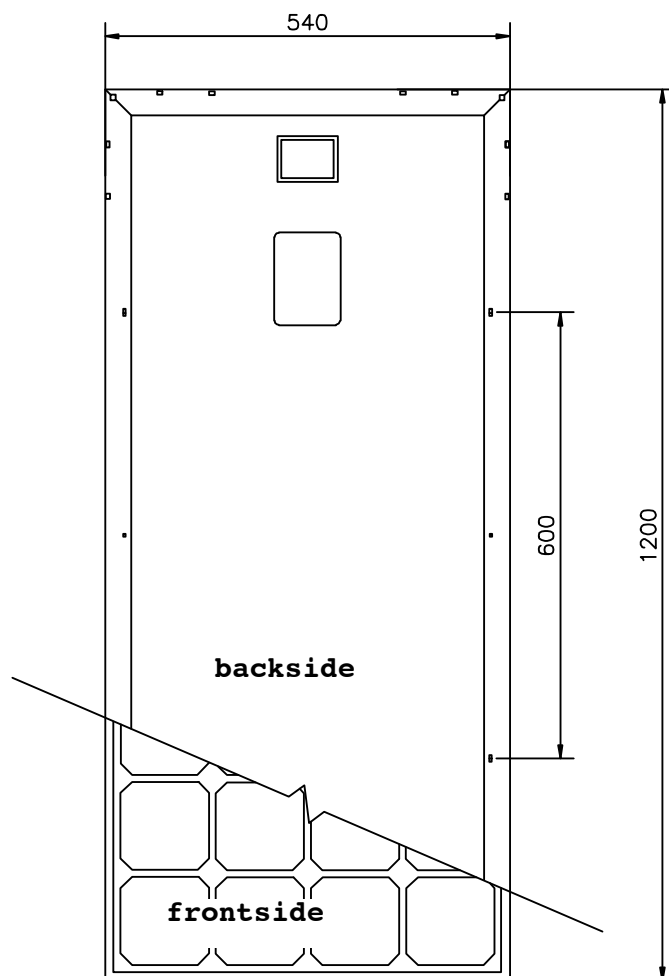
### TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.02
Temperature coefficient Voc	%/°C	-0.33
Temperature coefficient Pmax	%/°C	-0.48
NOCT *	°C	47
Operating temperature	°C	from -40 to +85

\* Nominal Operating Cell Temperature

### MECHANICAL SPECIFICATIONS

Dimensions	1200X540X30 mm
Weight	7.8 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	n. 36 two bus-bar monocrystalline cells 125x125 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Junction box without cables



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