

Solar Module 100 W for Off-Grid Applications



DESIGNED
IN ITALY

8 QUALITY
CERTIFICATIONS



Monocrystalline 36 cells

- **12-year product warranty**
- Positive sorting of power classes 0-5 Wp
- **Ideal for off-grid applications**
- **Tempered safety 3.2 mm glass**
to optimize the balance between
mechanical stability and transparency
- **High mechanical stability**
(5400 Pascal)
- **Maximum resistance against hail**
(83 km/h)
- Water-repellent, high-transmittance
and antireflection coating glass,
**to increase yield and avoid dust
deposition**

Designed in Italy · 8 Quality Certifications



ELECTRICAL DATA

MODULE	FU 100 M next	
<i>Standard Test Conditions STC 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance <3%</i>		
Module power (Pmax)	W	100
Module efficiency	%	15.29
Maximum power voltage (Vmpp)	V	18.40
Maximum power current (Impp)	A	5.43
Open circuit voltage (Voc)	V	22.95
Short circuit current (Isc)	A	5.85
Maximum system voltage	V	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 temprature	°C	from -40 to +85

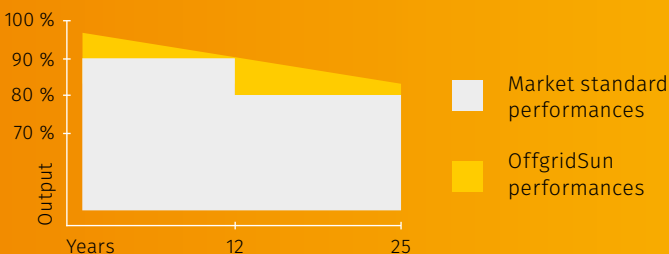
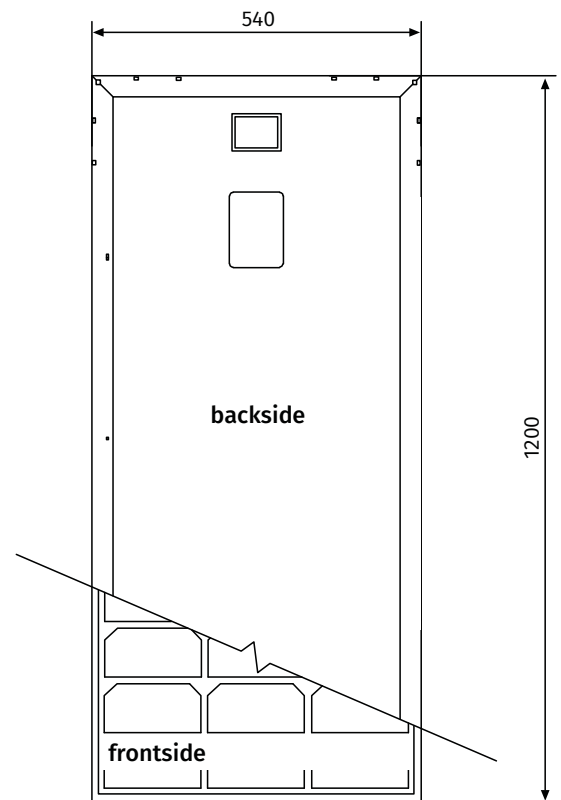
* Nominal Operating Cell Temperature

MECHANICAL SPECIFICATIONS

Dimensions	1200 x 540 x 30 mm
Weight	6.7 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	36 five bus-bar monocrystalline cutted-cells
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Junction box with or without cables

CERTIFICATIONS

- IEC 61215, IEC 61730 & Factory Inspection 2016
- IEC 668-2-68:1994-08 Dust & Sand Resistance
- IEC61701:2011 Salt Spray Corrosion Resistance
- PID Test: Class A Potential Induced Degradation
- Fire Resistance: Class 1
- IEC 62716:2013 Ammonia Corrosion



Performance guarantee

- Max power decrease: 0.7%/year over a 25 year module duration.
- 97% at the end of first year
 - 90% at the end of 12th year
 - 82% at the end of 25th year

Product guarantee

12 years



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