

# Solar Module 100 W for Off-Grid Applications



CE



DESIGNED  
IN ITALY



IDEAL FOR  
OFF-GRID  
APPLICATIONS

## Polycrystalline 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 antireflective glass coating,  
**to increase yield and avoid dust  
deposition**

Designed in Italy - Ideal for Off-grid applications

## ELECTRICAL DATA

MODULE	FU 100 P	
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance &lt;3%</i>		
Module power (Pmax)	W	100
Module efficiency	%	15.29
Maximum power voltage (Vmpp)	V	18.4
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

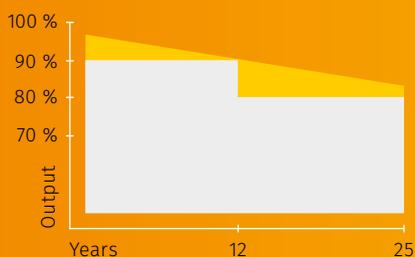
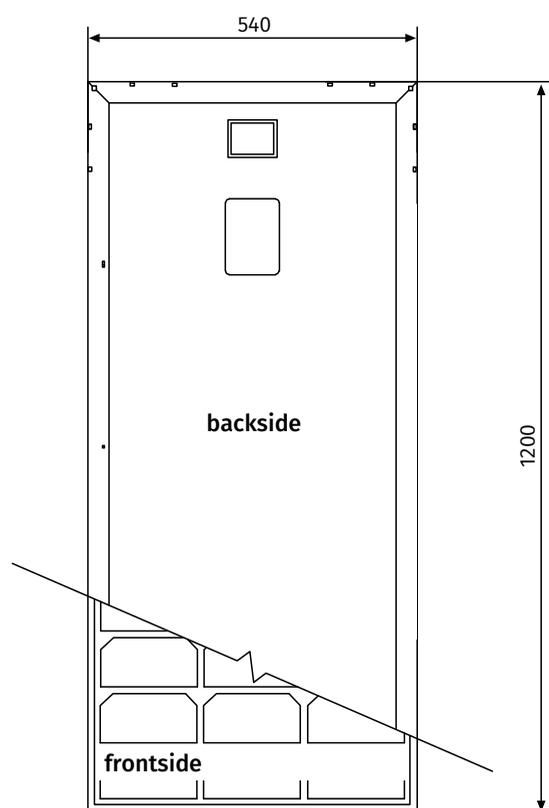
## TEMPERATURE RATINGS

Temperature coefficient (Isc)	%/°C	0.474
Temperature coefficient (Voc)	%/°C	-0.285
Temperature coefficient (Voc)	%/°C	-0.37
NOCT*	°C	45
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 polycrystallin cutted cells
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Junction box with or without cables



■ Market standard performances  
■ OffgridSun performances

### 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 12<sup>th</sup> year
- 82% at the end of 25<sup>th</sup> year

### Product guarantee

12 years



# OffgridSun

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