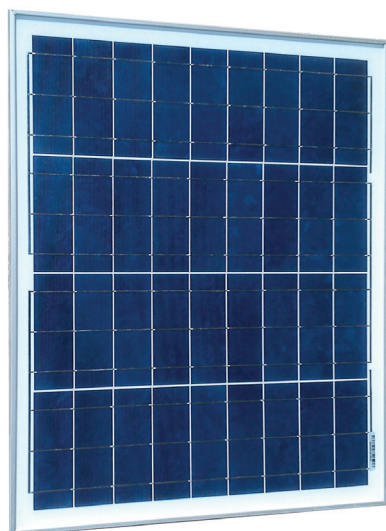


# Solar Module 50 W for Off-Grid Applications



CE



DESIGNED  
IN ITALY

QUALITY-  
CHECKED  
IN ITALY



## Polycrystalline 36 cells

- **12-year product warranty**
- Positive sorting of power classes 0-5 Wp
- **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 · Quality-Checked in Italy

## ELECTRICAL DATA

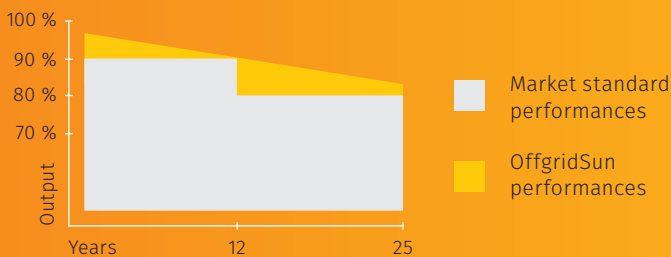
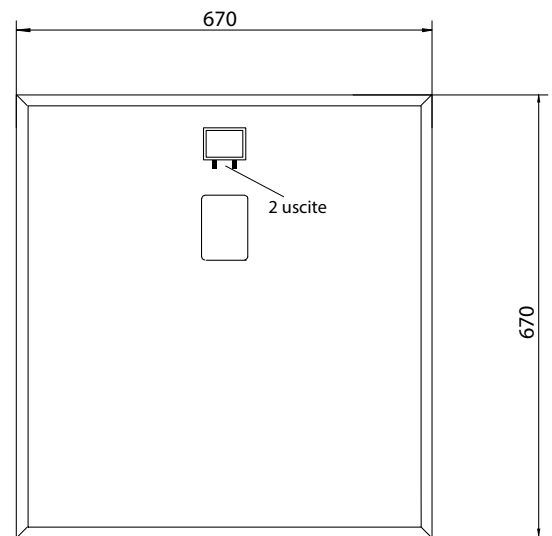
MODULE	FU 50 P	
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance &lt;3%</i>		
Module power (Pmax)	W	50
Module efficiency	%	14,00
Maximum power voltage (Vmpp)	V	17,40
Maximum power current (Impp)	A	2,88
Open circuit voltage (Voc)	V	22.40
Short circuit current (Isc)	A	3,04
Maximum system voltage	V	700

## TEMPERATURE RATINGS

Temperature coefficient (Isc)	%/°C	0,06
Temperature coefficient (Voc)	%/°C	-0,32
Temperature coefficient (Pmax)	%/°C	-0,45
NOCT (Nominal Operating Cell Temp.)	°C	45
Operating temprature	°C	from -40 to +85

## TECHNICAL SPECIFICATIONS

Dimensions	670 x 670 x 25 mm
Weight	4,5 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	No. 36 polycrystalline 2 bus-bar
Backsheet	Polyester multi-layer
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Junction box with or without cables; 2 by-pass diodes to reduce the dissipative losses



### 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

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