

Solar Module 100 W for Off-Grid Applications



CE



DESIGNED
IN ITALY

IDEAL FOR
OFF-GRID
APPLICATIONS

FU100P3 Polycrystalline 36 cutted 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 3

Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance <3%

Module power (Pmax)	W	100
Nominal voltage	V	12
Maximum power voltage (Vmpp)	V	18.2
Maximum power current (Impp)	A	5.5
Open circuit voltage (Voc)	V	21.8
Short circuit current (Isc)	A	5.85
Maximum system voltage	V	1000

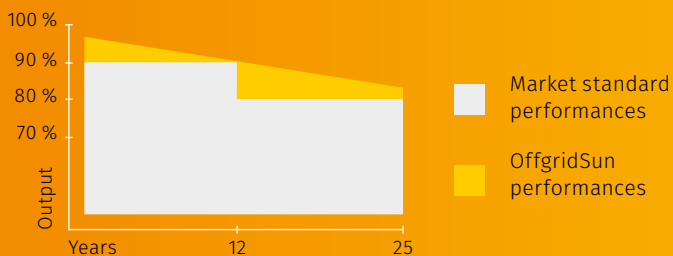
TEMPERATURE RATINGS

Temperature coefficient (Isc)	%/°C	0.474
Temperature coefficient (Voc)	%/°C	-0.285
Temperature coefficient (Pmax)	%/°C	-0.37
NOCT*	°C	45
Operating temperature	°C	from -40 to +85

*Nominal Operating Cell Temperature

MECHANICAL SPECIFICATIONS

Dimensions	1020 x 670 x 30 mm
Weight	6.8 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	36 polycrystallin cutted cells
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Junction box with or without cables



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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