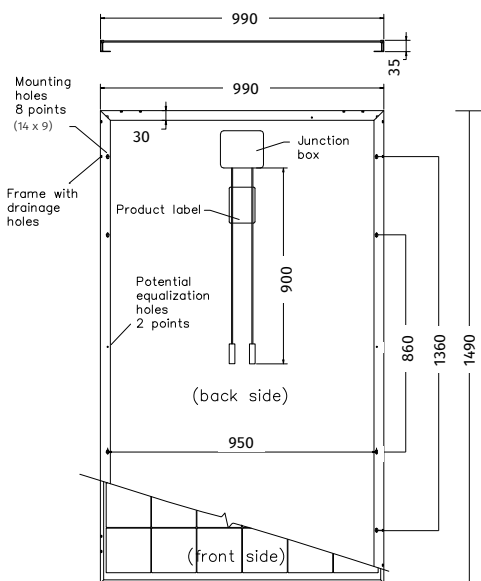




**STANDARD  
5 BUSBAR**

## FU 250 PV

Polycrystalline Photovoltaic Module - 54 Cells



Note: dimensions in mm tolerance +/- 2 mm

### GENERAL FEATURES

- **15-year product warranty**
- **High-efficiency cells** decrease ohmic losses and increase the yield
- **Tempered 3.2 mm safety glass** for optimal mechanical stability and transparency
- **High temperature resistance** (tested at 105° C for 200 hours)
- For installations **up to an altitude of 7000 m**
- Maximum **resistance against hail** (83 km/h)
- Quality control with **electroluminescence (EL) tests** on each module

### CERTIFICATIONS

- > **IEC 61215:2016 - IEC 61730:2016 & Factory Inspection**
- > **Fire Class C as per UL 790**

**NEW**

### GUARANTEES

#### Performance guarantee

Max power decrease **0.5%/year**

97% at the end of first year

**90% at the end of 20<sup>th</sup> year**

87% at the end of **25<sup>th</sup> year**

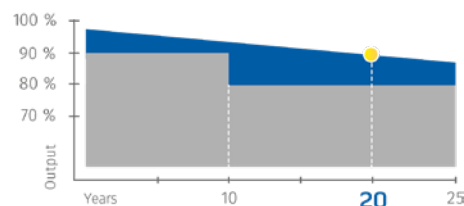
#### Product guarantee

**15 YEARS**

**NEW**

**NEW**

- Market standard performances
- FuturaSun performances



## ELECTRICAL DATA

MODULE	FU 250 PV	
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)</i>		
Module power (Pmax)	W	250
Open circuit voltage (Voc)	V	35.17
Short circuit current (Isc)	A	9.17
Maximum power voltage (Vmpp)	V	28.49
Maximum power current (Impp)	A	8.80
Module efficiency	%	16.9

## Nominal Module Operating Temperature NMOT: 800 W/mq - T=45 °C - AM 1.5

Module power (Pmax)	W	182.95
Open circuit voltage (Voc)	V	32.29
Short circuit current (Isc)	A	7.53
Maximum power voltage (Vmpp)	V	25.80
Maximum power current (Impp)	A	7.11

## TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.0474
Temperature coefficient Voc	%/°C	-0.285
Temperature coefficient Pmax	%/°C	-0.37
NMOT *	°C	45
Operating temperature	°C	from -40 to +85

\* Nominal Module Operating Temperature

## MECHANICAL SPECIFICATIONS

Dimensions	1490 x 990 x 35 mm
Weight	16.5 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	54 polycrystalline cells 156.75x156.75 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP 68 approved
Cables	Solar cable, length 900 mm assembled with TL-CABLE01S or Rehne 05-8 connectors
Maximum reverse current (Ir)	20 A
Maximum system voltage	1500 V
Maximum load (wind/snow)	5400 Pa (including safety factor 1.5)
Protection Class	II - accordance to IEC 61730
Manufacturer	Made in P.R.C.

Authorized Dealer



FuturaSun srl

Riva del Pasubio, 14 - 35013 Cittadella - Italy  
 Tel + 39 049 5979802 Fax + 39 049 0963081  
 www.futurasun.com - info@futurasun.it