



FU 250 / 255 / 260 / 265 / 270 P

Polycrystalline Photovoltaic Module - 60 Cells

Italian Design & Development



GENERAL FEATURES

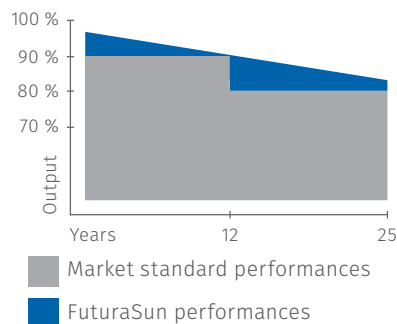
- **12-year product warranty**
- **Positive sorting** of power classes from 0 to +5 Wp
- **4 bus-bar high-efficiency cells** decrease ohmic losses and increase the yield
- **Tempered 3.2 mm safety glass** for optimal mechanical stability and transparency
- **High stability** against wind (2400 Pascal) and snow (5400 Pascal)
- Maximum **resistance against hail** (83 km/h)
- Water repellent, high transmittance and anti-reflective glass coating, to increase yield and avoid dust deposition

CERTIFICATIONS

- **IEC 61215, IEC 61730**
- **Fire Resistance - Class 1**
- **IEC61701**
Salt Corrosion Resistance
- **IEC62716**
Ammonia Corrosion
- **PID Test - Class A**
Potential Induced Degradation

GUARANTEES

PERFORMANCE GUARANTEE



Performance guarantee

Max power decrease 0.7%/year
 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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ELECTRICAL DATA

MODULE		FU 250 P	FU 255 P	FU 260 P	FU 265 P	FU 270 P
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - measuring tolerance <3%</i>						
Module power (Pmax)	W	250	255	260	265	270
Module efficiency	%	15.3	15.6	15.9	16,2	16,5
Maximum power voltage (Vmpp)	V	30.3	30.6	30.9	31,2	31,5
Maximum power current (Impp)	A	8.26	8.34	8.42	8,5	8,57
Open circuit voltage (Voc)	V	37.55	37.85	38.15	38,45	38,75
Short circuit current (Isc)	A	8.83	8.91	8.99	9,07	9,14
Maximum reverse current (Ir)	A	15	15	15	15	15
Maximum system voltage	V	1000	1000	1000	1000	1000

Nominal Operating Cell Temperature NOCT: 800 W/mq - T=45 °C - AM 1.5

Module power (Pmax)	W	185	189	193	197	201
Maximum power voltage (Vmpp)	V	27.75	28.05	28.35	28,65	28,95
Maximum power current (Impp)	A	6.67	6.73	6.79	6,87	6,94
Open circuit voltage (Voc)	V	34.2	34.5	34.8	35,1	35,4
Short circuit current (Isc)	A	7.24	7.3	7.37	7,43	7,5

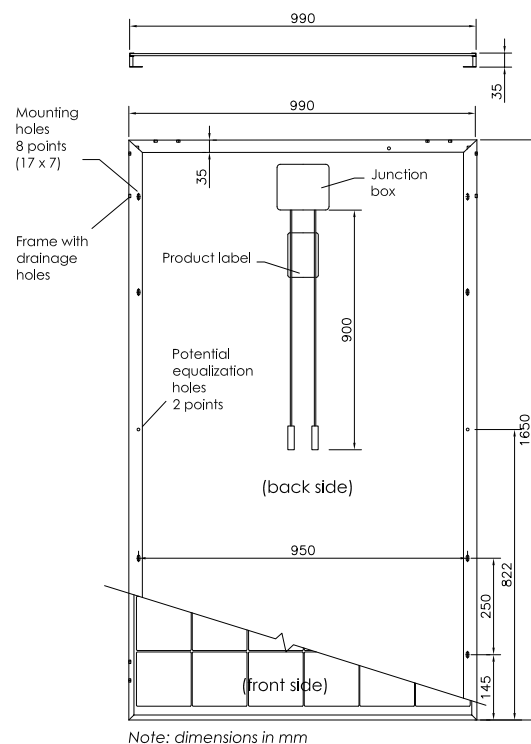
TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.06
Temperature coefficient Voc	%/°C	-0.26
Temperature coefficient Pmax	%/°C	-0.36
NOCT *	°C	45
Operating temprature	°C	from -40 to +85

* Nominal Operating Cell Temperature

MECHANICAL SPECIFICATIONS

Dimensions	1650 x 990 x 35 mm
Weight	17,7 kg
Glass	Tempered, transparent, 3,2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	60 polycrystalline cells 156x156 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Dimensions: 130 x 150 x 26 mm, IP 65 approved
Cables	Solar cable, length 900 mm assembled with MC4-combinable plugs



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