



Engineered
in Italy

NEW
5 BUSBAR

FU 260 / 265 / 270 / 275 / 280 P

Polycrystalline Photovoltaic Module - 60 Cells



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 Resistance - Class 1**
- **Salt Corrosion Resistance**
IEC 61701
- **Ammonia Corrosion**
IEC 62716
- **PID Test - Class A**
Potential Induced Degradation
- **Dust and Sand Resistance**
IEC 60068-2-68

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GUARANTEES

Performance guarantee

Max power decrease **0.5%/year**

97% at the end of first year

90% at the end of 20th year

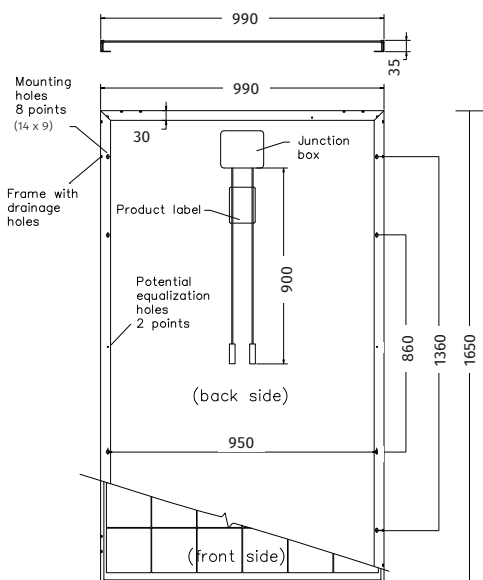
87% at the end of **25th year**

Product guarantee

15 YEARS

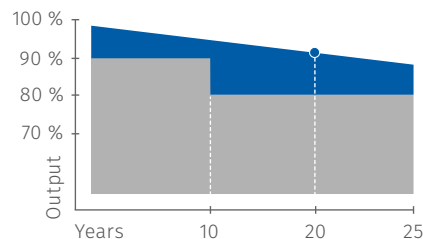
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Note: dimensions in mm

Market standard performances
FuturaSun performances



ELECTRICAL DATA						
MODULE		FU 260 P	FU 265 P	FU 270 P	FU 275 P	FU 280 P*
Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)						
Module power (Pmax)	W	260	265	270	275	280
Open circuit voltage (Voc)	V	37.59	37.95	38.3	38.65	39
Short circuit current (Isc)	A	8.86	8.95	9.03	9.11	9.21
Maximum power voltage (Vmpp)	V	30.65	30.95	31.22	31.52	31.8
Maximum power current (Impp)	A	8.49	8.57	8.65	8.73	8.85
Module efficiency	%	15.92	16.22	16.53	16.84	17.14

Nominal Module Operating Temperature NMOT: 800 W/mq - T=45 °C - AM 1.5						
Module power (Pmax)	W	191	195	198	202	205
Open circuit voltage (Voc)	V	34.39	34.72	35.04	35.36	35.81
Short circuit voltage (Isc)	A	7.26	7.33	7.40	7.46	7.57
Maximum power voltage (Vmpp)	V	27.92	28.20	28.44	28.71	28.8
Maximum power current (Impp)	A	6.86	6.92	6.99	7.05	7.15

* Certification on going

TEMPERATURE RATINGS		
Temperature coefficient Isc	%/°C	0.0474
Temperature coefficient Voc	%/°C	-0.285
Temperature coefficient Pmax	%/°C	-0.37
NMOT *	°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 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 MC4-combinable plugs
Maximum reverse current (Ir)	20 A
Maximum system voltage	1000 V (1500 V on request)
Maximum load (wind/snow)	5400 Pa (including safety factor 1.5)
Protection Class	II - accordance to IEC 61730

Authorized Dealer

2018_60p_260-280_en



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