



**STANDARD
5 BUSBAR**

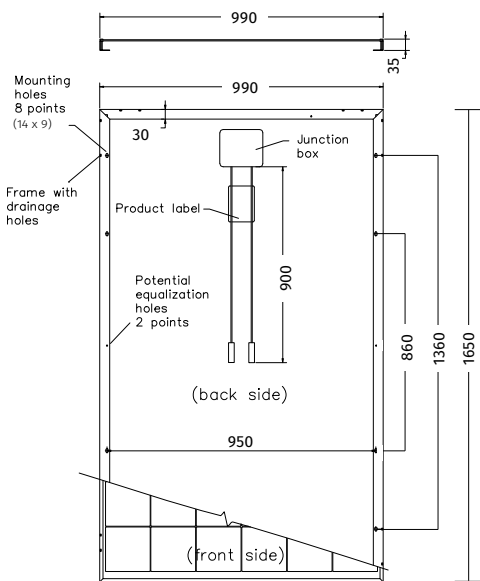


FU 275 PV

Polycrystalline Photovoltaic Module - 60 Cells



CE



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 20th year

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

NEW

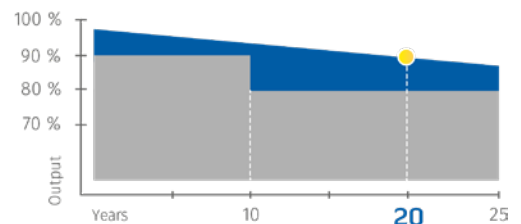
Product guarantee

15 YEARS

NEW

Market standard performances

FuturaSun performances



ELECTRICAL DATA

MODULE	FU 275 PV	
<i>Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)</i>		
Module power (Pmax)	W	275
Open circuit voltage (Voc)	V	38.65
Short circuit current (Isc)	A	9.11
Maximum power voltage (Vmpp)	V	31.52
Maximum power current (Impp)	A	8.73
Module efficiency	%	16.84

<i>Nominal Module Operating Temperature NMOT: 800 W/m² - T=45 °C - AM 1.5</i>		
Module power (Pmax)	W	202
Open circuit voltage (Voc)	V	35.36
Short circuit current (Isc)	A	7.46
Maximum power voltage (Vmpp)	V	28.71
Maximum power current (Impp)	A	7.05

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 Module Operating 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 TL-CABLE01S
Maximum reverse current (Ir)	20 A
Maximum system voltage	1500 V
Mechanical load (snow)	Design load: 3600 Pa
Mechanical load (wind)	Design load: 1600 Pa
Protection Class	II - accordance to IEC 61730
Manufacturer	Made in China

Authorized Dealer

2021_60PV_275_au



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