



Engineered  
in Italy

**PERC  
HALF-CUT**



## FU 400 MV NEXT Pro

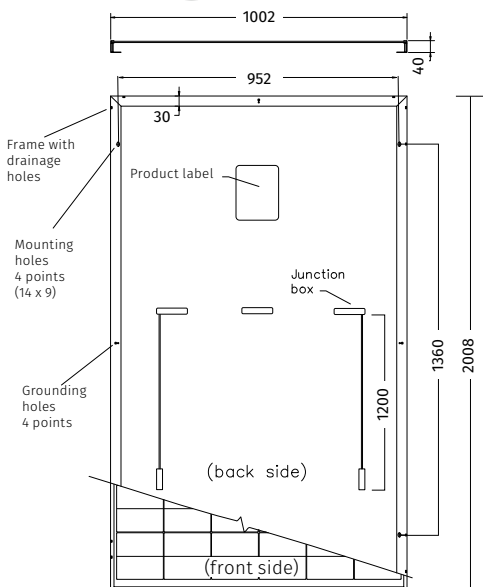
Monocrystalline Photovoltaic Module - 144 half-cut cells



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



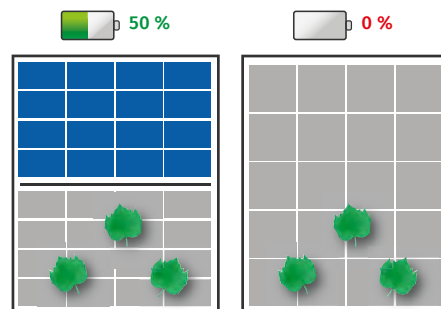
CE



Note: dimensions in mm  
tolerance +/- 2 mm

### GENERAL FEATURES

- 15-year product warranty
- 158.75 mm half-cut PERC cells
- High module efficiency up to 19.88%
- 2 independent section design secures a higher energy yield in case of shading
- Lower risk of micro cracks and hot-spot
- Improved low light performance
- Low NMOT, improving the power generation efficiency
- Half cut design in combination with multi busbar reduce operating current and internal resistance



### 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

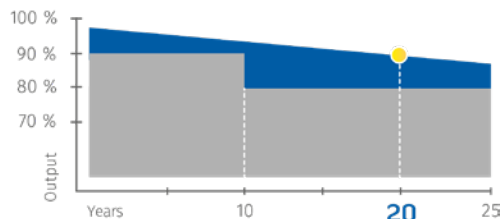
NEW

#### Product guarantee

**15 YEARS**

NEW

- Market standard performances
- FuturaSun performances



## ELECTRICAL DATA

**MODULE NEXT PRO**

**FU 400 MV NEXT Pro**

*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: Pmax (±3%). Voc (±4%). Isc (±5%)*

Module power (Pmax)	W	400
Open circuit voltage (Voc)	V	49.71
Short circuit current (Isc)	A	10.46
Maximum power voltage (Vmpp)	V	41.28
Maximum power current (Impp)	A	9.69
Module efficiency	%	19.88

*Nominal Module Operating Temperature NMOT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5*

Module power (Pmax)	W	302
Open circuit voltage (Voc)	V	46.74
Short circuit current (Isc)	A	8.44
Maximum power voltage (Vmpp)	V	38.19
Maximum power current (Impp)	A	7.92

## TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.28
Temperature coefficient Pmax	%/°C	-0.35
NMOT **	°C	45
Operating temperature	°C	from -40 to +85

\*\*Nominal Module Operating Temperature \*For All Black version

## MECHANICAL SPECIFICATIONS

Dimensions	2008 x 1002 x 40 mm
Weight	22.5 kg
Glass	High transmission, Low iron, Tempered, ARC, Transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	120 monocrystalline half-cut PERC cells 158.75 x 79.37 mm
Backsheet	White or black* composite multilayer film
Frame	Silver or black* anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP 68 approved
Cables	Solar cable, length 1200 mm or customized assembled with TongLing 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



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