



# X-MAX XL Monocrystalline

320 - 325 - 330 - 335 - 340 Wp



*New square Mono PERC Cells*



*Made in Italy*



0/+5 Wp

*Positive tolerance*



*Fire reaction Class 1*



*High resistance to snow/wind loads*



*AR Coating glass*



*Product warranty*



*Linear warranty*

The photovoltaic modules X-MAX is one of a wide range of products made by Sunerg and It is manufactured according to IEC 61215, IEC 61730 standard and CE. Know for their reliability and quality and they are characterized by cells more larger, with 5 busbars and built according to the new high efficiency PERC technology and are designed and manufactured in Italy. Each individual module of Sunerg undergoes a triple quality control and electroluminescence tests.

**CORRESPOND TO**

IEC 61215 | EN 61730 | UNI 9177 | PV CYCLE | CE |

UNI EN ISO 9001:2008  
UNI EN ISO 14001:2004  
UNI EN ISO 45001:2018

| Quality management system  
| Standards for environmental management system  
| International standards for occupational health and safety



ELECTRICAL DATA (STC)		XM460320IBW+35	XM460325IBW+35	XM460330IBW+35	XM460335IBW+35	XM460340IBW+35
Open circuit voltage	(Voc)	39.78 V	39.96 V	40.20 V	40.62 V	40.85 V
Voltage at Pmax	(Vmp)	34.02V	34.20 V	34.50 V	34.56 V	34.78 V
Short-circuit current	(Isc)	9.97 V	10.02 A	10.10 A	10.27 A	10.35 A
Current at Pmax	(Imp)	9.41 V	9.50 A	9.59 A	9.73 A	9.77 A
Peak Power (Pmax) Tolerance -0/+5 Wp*		320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
Module Efficiency		19.18%	19.48%	19.84 %	20.08%	20.38%
Maximum voltage		1000 V DC	1000 V DC	1000 V DC	1000 V DC	1000 V DC
Maximum series fuse rating		16A	16A	16A	16A	16A
Operating Temperature		-40°C - +85°C	-40°C - +85°C	-40°C - +85°C	-40°C - +85°C	-40°C - +85°C

Tolerance electric measurement 3%

**\* STC** (Standard test conditions)

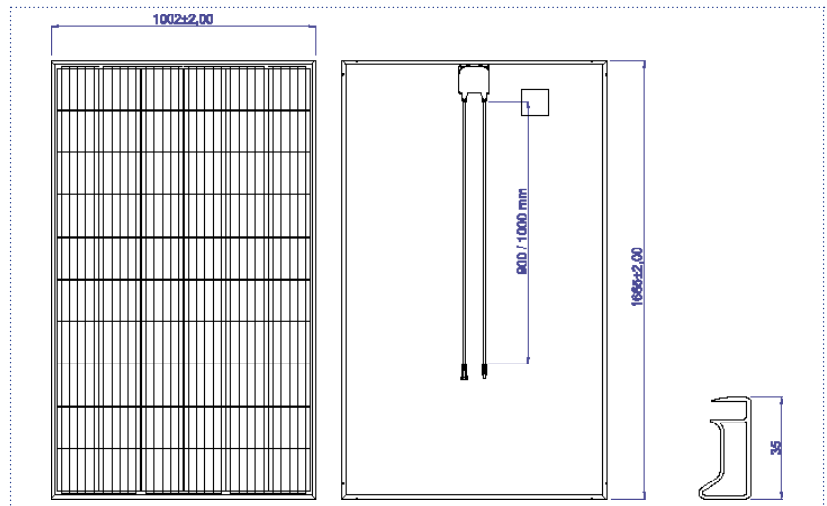
Irradiance 1000 w/m<sup>2</sup>, module temperature 25°C, AM= 1.5

**TEMPERATURE COEFFICIENT**

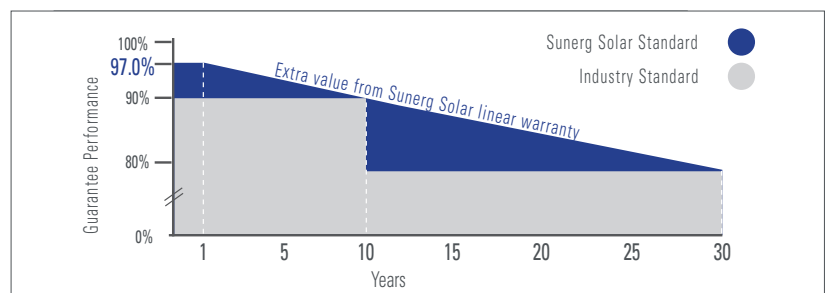
NOCT	46±2 °C
Pmax Temperature coefficient	-0.38%/ K
Voc Temperature coefficient	-0.36 %/ K
Isc Temperature coefficient	0.07%/ K

**MECHANICAL CHARACTERISTIC**

Hail test	25 mm - 23 m/s
Max load long side	5400 Pa
Number of cells	60 (158.75 mm x 158.75 mm) Tipo: Mono square PERC
Weight	18.3Kg



**LINEAR WARRANTY**



- look warranty terms -

**GENERAL INFORMATION**

Front glass	Tempered AR Coated glass, 3,2 mm
Frame	Anodized aluminum alloy coated black RAL 9005
Junction box	IP67 rating, 3 bypass diodes
Output cables	Cable E317230-C PV, connectors PV4

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