



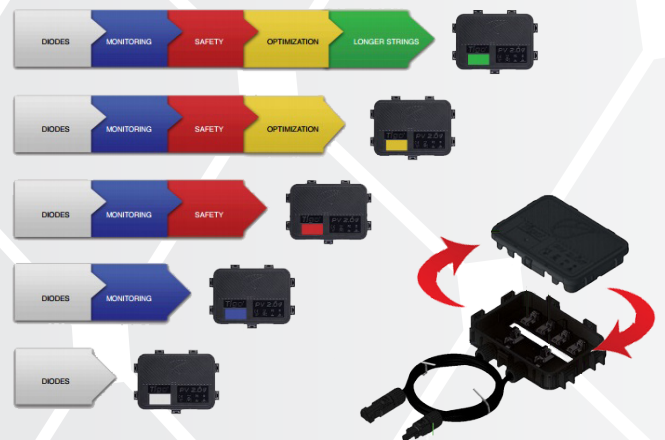
# X-SMART Polycrystalline

260 - 265 - 270 - 275 - 280 Wp



-  4 Busbar Cells
-  Made in Italy
-  0/+5 Wp Positive Tolerance
-  Resistance to ammonia
-  Resistance to saline mist
-  High resistance to snow/wind loads
-  AR coating glass
-  20 YEARS Product warranty

The photovoltaic modules X-SMART is one of a wide range of products made by Sunerg and It is manufactured according to IEC 61215, IEC 61730 standard and CE. And are made in compliance with the electrical standards IEC 61215, IEC 61730 and european CE directives. Sunerg Solar is reputed for its reliability and quality and they are characterized by cells to 4 busbars and are designed and manufactured in Italy. Each individual module of Sunerg undergoes a triple quality control and electroluminescence tests.



### CORRESPOND TO

IEC 61215-ed2 | EN 61730-1 | EN 61730-2 | UNI 9177 Class 1 Reaction Fire | PV CYCLE | CE |

UNI EN ISO 9001:2008	Quality management system
UNI EN ISO 14001:2004	Standards for environmental management system
UNI EN BS OHSAS 18001:2007	International standards for occupational health and safety



ELECTRICAL DATA (STC)		XP460260 I+35 (IB+35)	XP460265 I+35 (IB+35)	XP460270 I+35 (IB+35)	XP460275 I+35 (IB+35)	XP460280 I+35 (IB+35)
Open circuit voltage	(Voc)	38.16 V	38.40 V	38.64 V	38.46 V	38.70 V
Voltage at Pmax	(Vmp)	32.34 V	32.58 V	32.88 V	32.34 V	32.70 V
Short-circuit current	(Isc)	8.58 A	9.34 A	8.67 A	9.06 A	9.13 A
Current at Pmax	(Imp)	8.09 A	8.16 A	8.21 A	8.52 A	8.57 A
Peak Power (Pmax) Tolerance -0/+5 Wp*		260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Module Efficiency		15.96%	16.27%	16.57%	16.88%	17.19%
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

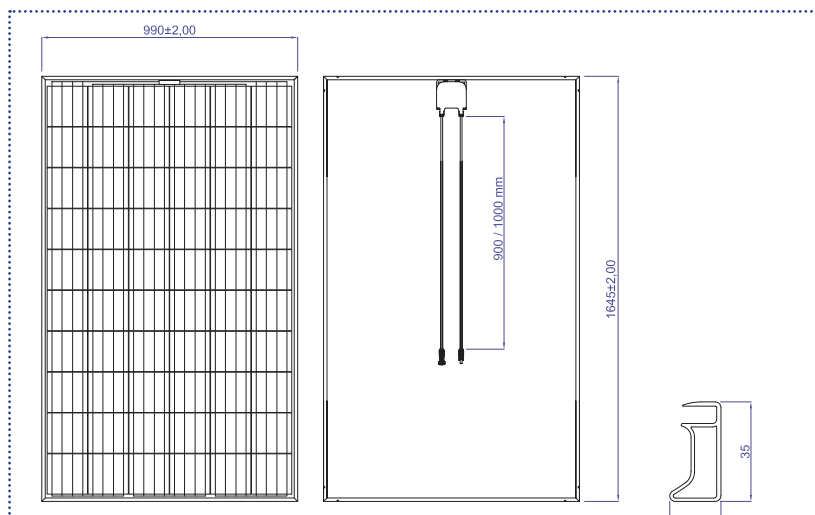
NOCT	46±2 °C
Pmax Temperature coefficient	-0.38%/ °C
Voc Temperature coefficient	-0.36%/ °C
Isc Temperature coefficient	0.05% / °C

#### MECHANICAL CHARACTERISTIC

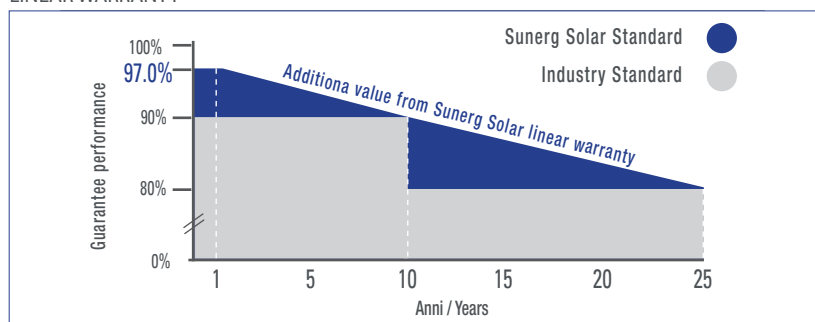
Hail test	25 mm - 23 m/s
Max load long side	5920 Pa
Number of cells	60 (156.75 mm x 156.75 mm) Tipo: Poly
Weight	17.9 Kg

#### GENERAL INFORMATION

Front glass	Tempered AR Coated glass, 3.2 mm
Frame	Anodized aluminum alloy (Ral 9005 black coating for IB+35 series)
Junction box	IP67 rating, 3 bypass diodes
Output cables	Cable E317230-C PV, connectors PV4



#### LINEAR WARRANTY



Look Warranty terms

Sunerg srl We reserve the right to make changes to product specifications without notice. The technical data of the module, even though they are entered with extreme care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.l