

X-MAX PLUS Monocrystalline

300 - 305 - 310 Wp



4 Busbar cells



Plus only tolerance -0/+5 Wp



Designed and engineered in Italy



Product warranty

The photovoltaic modules X-MAX PLUS 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 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-ed2 | EN 61730-1 | EN 61730-2 | UNI 9177 Reaction to Fire: Class 1 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)		XM460300I+35 (IB+35)	XM460305I+35 (IB+35)	XM460310I+35 (IB+35)
Open circuit voltage	(Voc)	39.60 V	39.78 V	40.20 V
Voltage at Pmax	(Vmp)	32.80 V	33.10 V	33.30 V
Short-circuit current	(Isc)	9.64 A	9.69 A	9.79 A
Current at Pmax.	(Imp)	9.16 A	9.22 A	9.32 A
Peak Power (Pmax) Tolerance -0/+5 Wp*		300 Wp	305 Wp	310 Wp
Module Efficiency		18.42%	18.72 %	19.03 %
Maximum voltage		1000 V DC	1000 V DC	1000 V DC
Maximum series fuse rating		16A	16A	16A
Operating Temperature		-40°C - +85°C	-40°C - +85°C	-40°C - +85°C

Tolerance electric measurement 3%

* **STC** (Standard test conditions)

Irradiance 1000 w/m², module temperature 25°C, AM= 1.5

TEMPERATURE COEFFICIENT

NOCT	46±2 °C
Pmax Temperature coefficient	-0.40% / °K
Voc Temperature coefficient	-0.31% / °K
Isc Temperature coefficient	0.04% / °K

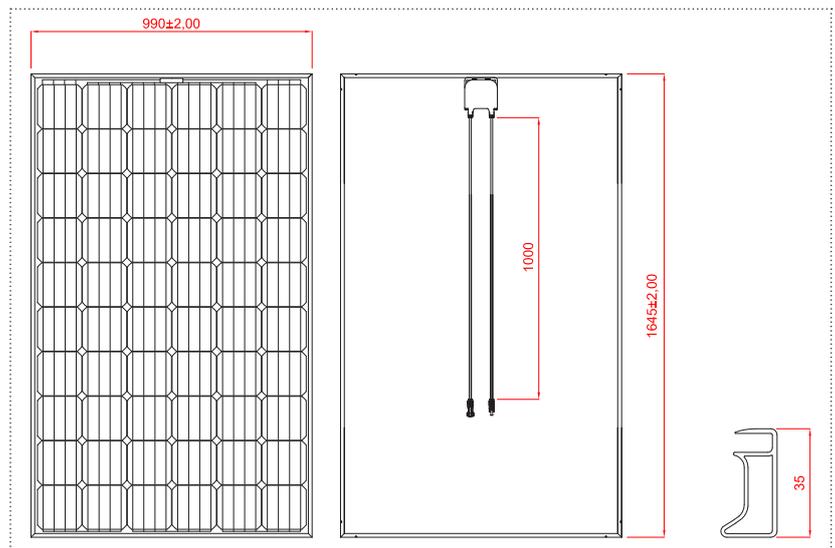
MECHANICAL CHARACTERISTIC

Hail test	25 mm - 23 m/s
Max load long side	5920 Pa
Number of cells	60 (156.75mmx156.75mm) Type: Mono
Weight	17.9 Kg

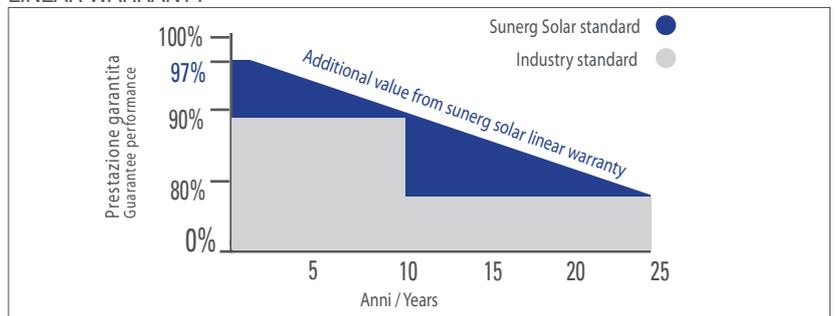
GENERAL INFORMATION

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

PRODUCT



LINEAR WARRANTY



*Vedi termini di garanzia - look warranty terms - voir les conditions de garantie

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