



PRELIMINARY

X-MAX XL HJT

Heterojunction High Efficiency solar cells
Monocrystalline

390/400_{Wp}
Power

HJT

Technology Innovation

21.92%
Efficiency

-0.260%/°C
Temperatura coefficiente

25years

Product warranty

30years

Linear warranty



X-MAX XL HJT is one of a wide range of SUNERG's product. It is manufactured according to IEC 61215, IEC 61730 and CE standards. The innovative technology MICROWIRE SOLAR CELLS consists of copper wires supported by a polymer foil. The wires are coated with a thin low melting point alloy layer, which melts during the module lamination process and builds

CORRESPOND TO
IEC 61215 | IEC 61730 | PV CYCLE | CE
UNI EN ISO 9001:2008
UNI EN ISO 14001:2004
UNI EN ISO 45001:2018

ELECTRICAL DATA (STC)		XMXLJ460390+H	XMXLJ460395+H	XMXLJ460400+H
Open circuit Voltage	(Voc)	44.62 V	44.71 V	44.80 V
Voltage a Pmax.	(Vmp)	38.11 V	38.19 V	38.29 V
Short-circuit current	(Isc)	10.91 A	10.96 A	11.15 A
Current at Pmax.	(Imp)	10.31 A	10.36 A	10.45 A
Peak Power (Pmax) Tolerance 0/+5%		390 Wp	395 Wp	400 Wp
Module Efficiency		21.36 %	21.65 %	21.92 %
Maximum voltage		1500 V DC	1500 V DC	1500 V DC
Maximum series fuse rating		20A	20A	20A
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, Temperature 25°C, AM = 1.5

TEMPERATURE COEFFICIENT

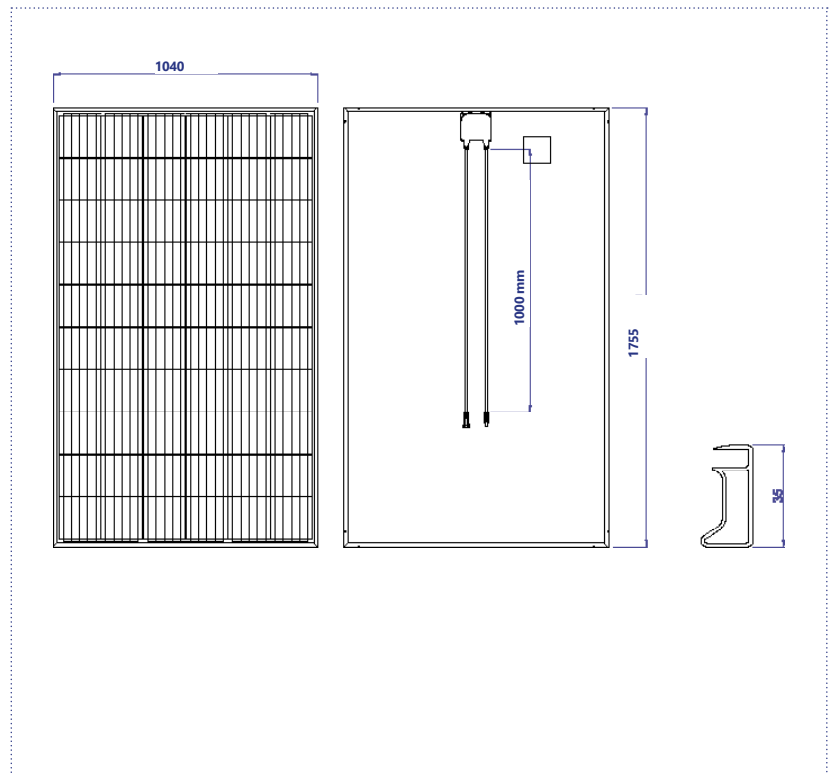
Pmax Temperature Coefficient	-0.26% / °C
Voc Temperature Coefficient	-0.24% / °C
Isc Temperature Coefficient	0.04% / °C

MECHANICAL CHARACTERISTIC

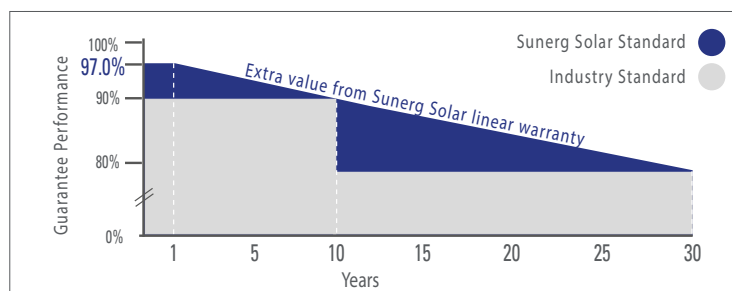
Dimensions (mm)	1755 x 1040 x 35
Weight (Kg)	19.70
Solar cells type	HJT Mono 166 mm
No. solar cells	60

GENERAL INFORMATION

Glass	3.2 mm antireflex-coated, high transmission, tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Cable - Connectors	4.0mm ² , 1000 mm MC4 compatible



LINEAR WARRANTY



- look warranty terms -

Sunerg Solar S.r.l. reserves the right to make changes to the technical data of the product without prior notice. The technical details of the form, although included with the utmost care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.l.