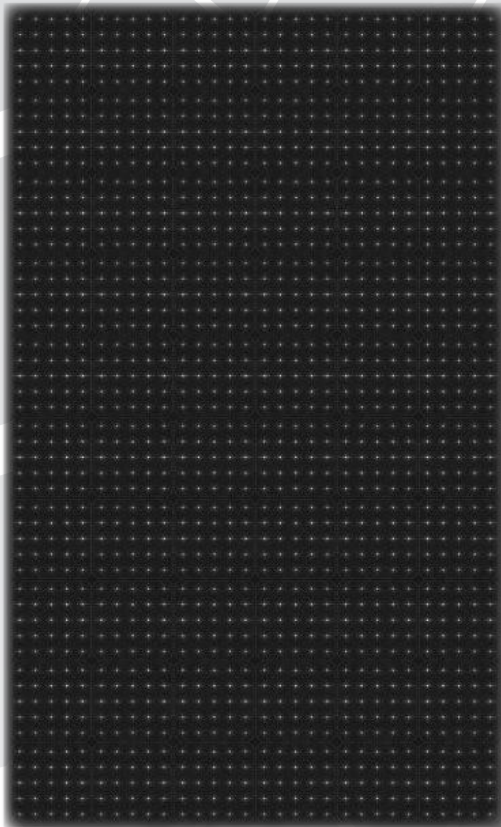




X-MWT MONO PERC PV Module

300 - 305 - 310 - 315 - 320 Wp



High Efficiency 19.6%



MWT PERC Cells



Positive Tolerance



With treatment Anti PID



High resistance to snow/wind loads



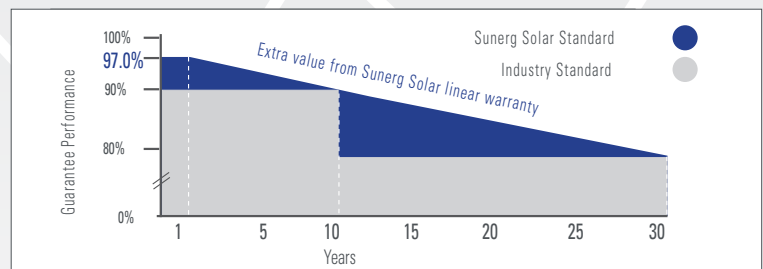
Product warranty



Linear warranty

The new PV module X-MWT is one of a wide range of products made by Sunerg and it is made in compliance with the electrical standards IEC 61215, IEC 61730 and european CE directives. This model is characterized by MWT PERC cells to guarantee top performance, anti pid treatment and positive tolerance. The X-MWT module is built without welding to avoid mechanical stress and the hazard of cracked cells. Metal Wrap Through (MWT) solar modules are interconnected on the rear side. The front grid is contacted by metallized vias that lead the current onto the rear side. This reduces shading on the front side and ohmic losses due to cell interconnection.

LINEAR WARRANTY



- look warranty terms -

CORRESPOND TO

IEC 61215-ed2 | EN 61730-1 | EN 61730-2 | 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)		X300M60B+	X305M60B+	X310M60B+	X315M60B+	X320M60B+
Open circuit voltage	(Voc)	39.50 V	39.70 V	39.90 V	40.10 V	40.30 V
Voltage at Pmax	(Vmp)	32.30 V	33.70 V	33.10 V	33.40 V	33.80 V
Short-circuit current	(Isc)	10.05 A	10.15 A	10.22 A	10.27 A	10.31 A
Current at Pmax	(Imp)	9.28 A	9.32 A	9.36 A	9.43 A	9.48 A
Peak Power (Pmax) Tolerance -0/+3%*		300 Wp	305 Wp	310 Wp	315 Wp	320 Wp
Module Efficiency		18.40%	18.70%	19.00%	19.30%	19.60%
Maximum voltage		1000 V DC	1000 V DC	1000 V DC	1000 V DC	1000 V DC
Maximum series fuse rating		15A	15A	15A	15A	15A
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/m², module temperature 25°C, AM= 1.5

TEMPERATURE COEFFICIENT

NOCT	43±2 °C
Pmax Temperature coefficient	-0.36%/ °C
Voc Temperature coefficient	-0.28%/ °C
Isc Temperature coefficient	0.06% / °C

MECHANICAL CHARACTERISTIC

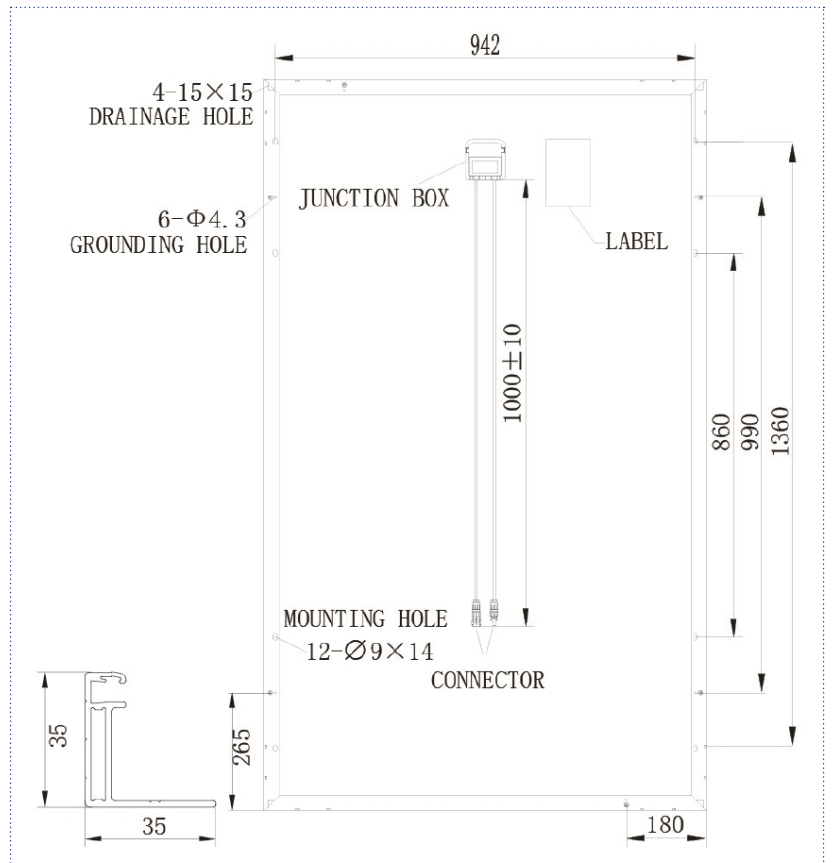
Hail test	25 mm - 23 m/s
Max load snow/wind	5400/2400 Pa
Number of cells	60 (6 inches) Type : Mono PERC
Weight	18.5 Kg
Dimensions (mm)	1640x992x35

PACKING CONFIGURATION

Container	20'GP (pcs)	40'HQ (pcs)
Modules/pallet	30	30
Loading capacity	360	840

GENERAL INFORMATION

Front glass	High transmittance AR Coated Tempered glass, 3,2 mm
Frame	Anodized aluminum alloy
Junction box	IP65 or IP67 rating, 3 bypass diodes
Output cables	1000 mm /4mm ² , MC4 compatible connectors



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