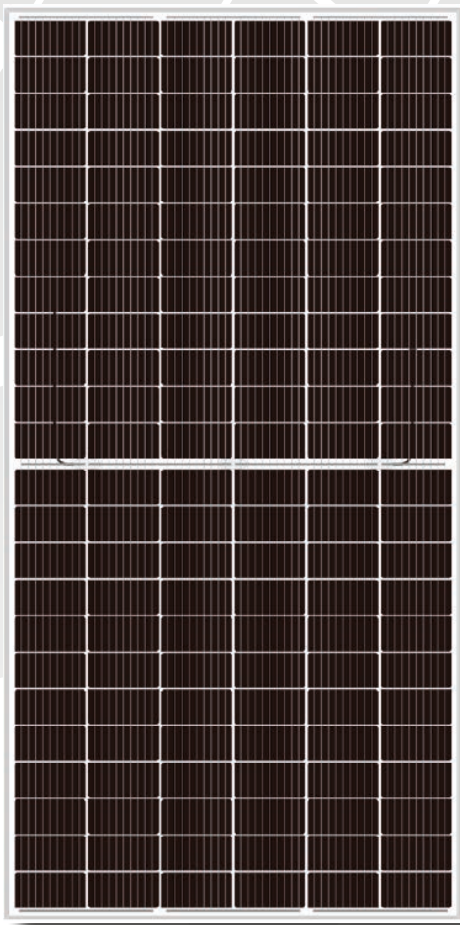




X-HALF CUT Monocrystalline

540 - 545 - 550 - 555 Wp



144 Half-cut cells Multi Busbar



High Voltage 1500 Vdc



wind load (2400 Pa) and snow load (5400 Pa).



0/+5W Power tolerance



Max efficiency 21,5%



Extremely low Temp. Coefficient -0.35%/ °C



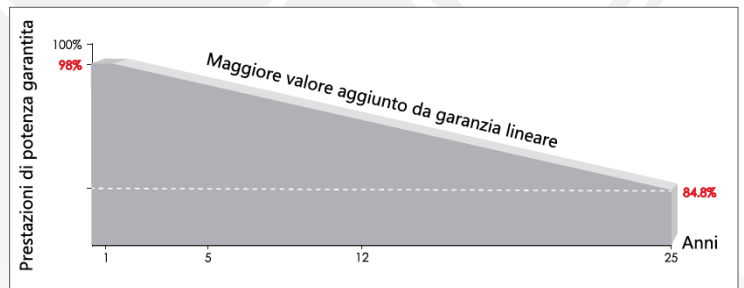
Product Warranty



Linear Warranty

X-HALF CUT is one of a wide range of SUNERG's product. It is manufactured according to IEC 61215, IEC 61730 and CE standards. The innovative multi busbar half-cells guarantee high power per unit, reduce the risk of micro-crack, mismatch and shadow loss, so increasing the reliability of the module.

LINEAR WARRANTY



- look warranty terms -

CORRESPOND TO

IEC 61215 | IEC 61730 | 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



		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Open circuit Voltage	(Voc)	49.42 V	46.65 V	49.51 V	46.74 V	49.60 V	46.82 V	49.68 V	46.93 V
Voltage a Pmax.	(Vmp)	40.71 V	38.11 V	40.76 V	38.19 V	40.83 V	38.25 V	40.89 V	38.32 V
Short-circuit current	(Isc)	13.85 A	11.19 A	13.94 A	11.27 A	14.04 A	11.35 A	14.13 A	11.42 A
Current at Pmax.	(Imp)	13.27 A	10.56 A	13.38 A	10.64 A	13.48 A	10.73 A	13.58 A	10.81 A
Peak Power (Pmax) Tolerance 0/+5%		540 Wp	402 Wp	545 Wp	406 Wp	550 Wp	410 Wp	555 Wp	414 Wp
Module Efficiency		20.90 %		21.11 %		21.30 %		21.5 %	
Maximum voltage		1500							
Maximum series fuse rating		25							
Operating Temperature		- 40 ~ +85° C							

Tolerance electric measurement ±3%

*** STC** (Standard test conditions)

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

*** NOCT** (Nominal Operating Cell Temperature)

Irraggiamento 800 W/m², temperatura 20°C, wind speed 1m/s

TEMPERATURE COEFFICIENT

Nominal operating cell temperature	45 ± 2 °C
Pmax Temperature Coefficient	-0.35% / °C
Voc Temperature Coefficient	-0.27% / °C
Isc Temperature Coefficient	0.048% / °C

MECHANICAL CHARACTERISTIC

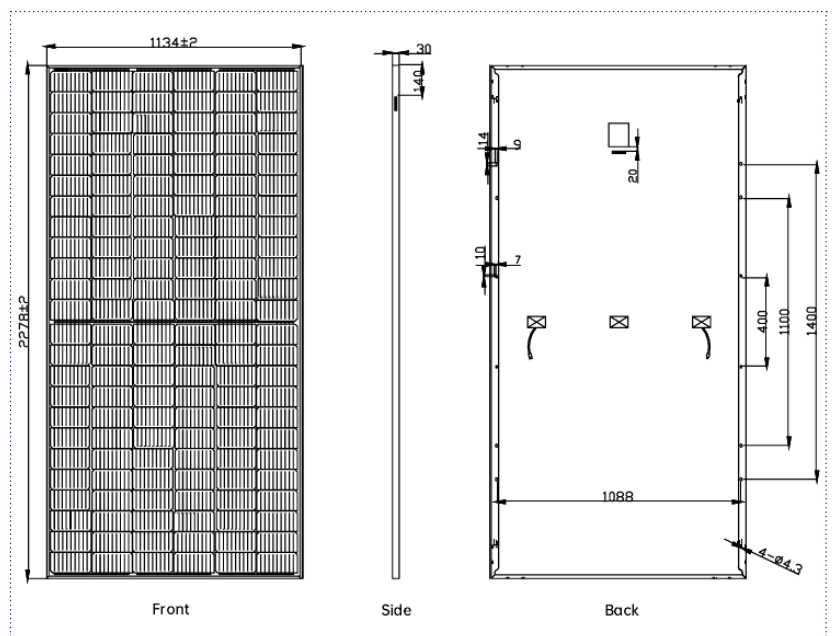
Dimensions (mm)	2278 x 1134 x 30
Weight (Kg)	27.6
Solar cells type	Mono 182x 91 mm
No. solar cells	144

PACKING CONFIGURATION

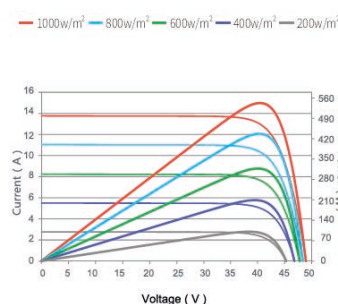
Module per Pallet	36 pcs.
Modules per container 40'HQ	720 pcs.

GENERAL INFORMATION

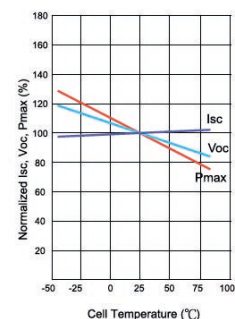
Glass	antireflex-coated, high transmission, tempered glass 3.2 mm
Frame	Anodized aluminum
Junction Box	IP68
Output Cable - Connectors	4.0mm ² , wire length: 300mm/customized



Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of Isc, Voc, Pmax



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.