



Product Warranty



Linear Output Warranty

# X-CHROS Monocrystalline PERC High Efficiency SHINGLED

380 - 385 - 390 - 395 - 400 Wp



Shingled solar cells



Positive Tolerance



High Voltage 1500 Vdc



15% Greater Return on Projects



Significantly Reduced Hot-Spot Effect



Improved Reliability and Durability

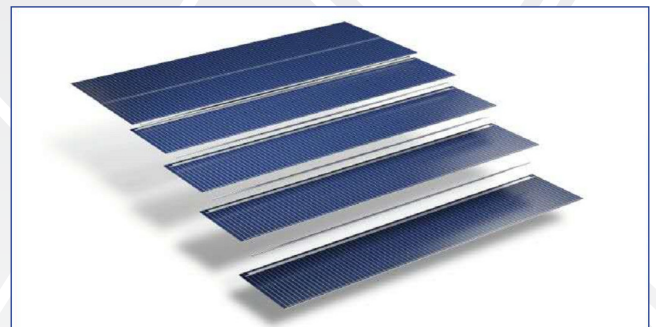


21.3 % max efficiency



Fire reaction Class 1

The new photovoltaic modules X-CHROS is one of a wide range of products made by Sunerg and It is manufactured according to IEC 61215, IEC 61730 standard and CE. PERC Shingled Technology provides ultra -high efficiency with better performance in low irradiation. Maximizes installation capacity in limited space



Shingled module

CORRESPOND TO

IEC 61215 | IEC 61730 | PV CYCLE | CE |

UNI EN ISO 9001:2008

UNI EN ISO 14001:2004

UNI EN BS OHSAS 18001:2007

| Quality management system

| Standards for environmental management system

| International standards for occupational health and safety

ELECTRICAL DATA (STC)		XMCH60380B+H	XMCH60385B+H	XMCH60390B+H	XMCH60395B+H	XMCH60400B+H
Open circuit Voltage	(Voc)	49.10 V	49.30 V	49.30 V	49.40 V	49.60 V
Voltage at Pmax.	(Vmp)	40.60 V	40.80 V	40.80 V	40.90 V	41.00 V
Short-circuit current	(Isc)	9.93 A	9.98 A	10.03 A	10.07 A	10.12 A
Current at Pmax.	(Imp)	9.36 A	9.44 A	9.56 A	9.66 A	9.76 A
Peak Power (Pmax) Tolerance 0/+3%		380Wp	385 Wp	390 Wp	395 Wp	400 Wp
Module Efficiency		20.30%	20.50%	20.80%	21.10%	21.30%
Maximum voltage		1500 V DC	1500 V DC	1500 V DC	1500 V DC	1500 V DC
Maximum series fuse rating		20A	20A	20A	20A	20A
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

NMOT 42.3°C±2°C

Pmax Temperature Coefficient -0.34%/ °C

Voc Temperature Coefficient -0.27%/ °C

Isc Temperature Coefficient 0.04% / °C

### MECHANICAL CHARACTERISTIC

Max. surface load capacity (Pa) 5400

Dimensions (mm) 1646 x 1140 x 35

Weight (Kg) 20.5

Encapsulation EVA

Cells 158.75x158.75 PERC

Backsheet High weatherability backsheet

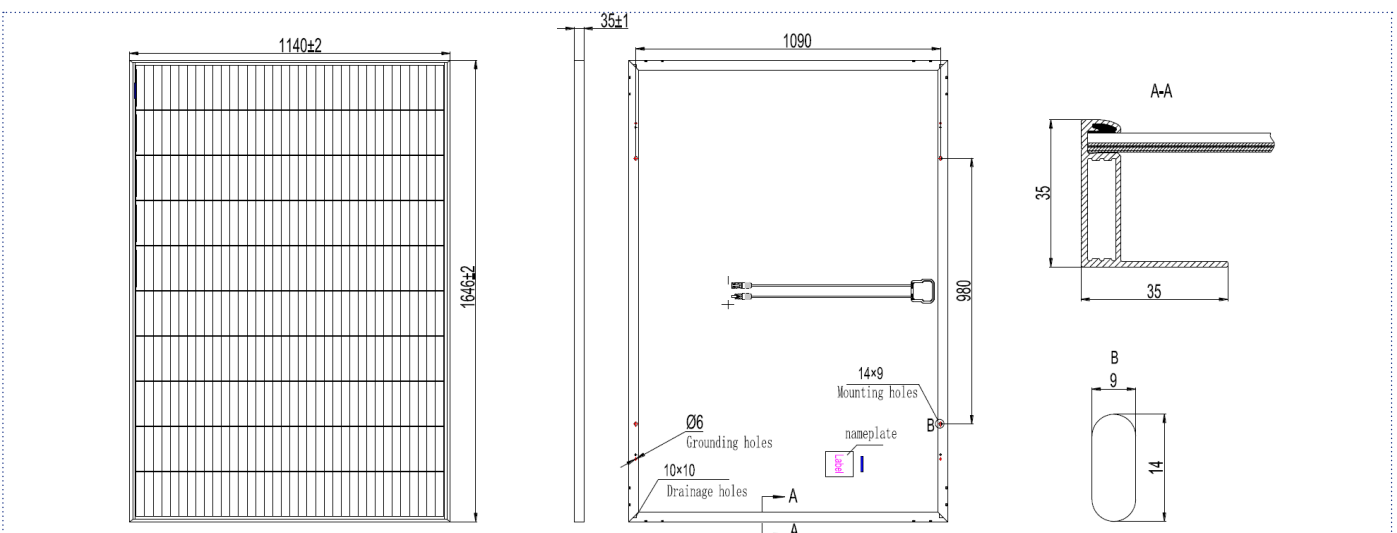
### PAKAGING CONFIGURATION

Modules per pallet 31

Pallets per container 40'GP 28

Modules per Container

868



### GENERAL INFORMATION

Glass AR coating tempered glass, 3.2mm

Farme Black Anodized Aluminum alloy

Juntion Box IP67, 3 Bypass diodes

Output Cable - connectors 4.0mm<sup>2</sup>, lenght 1000 mm - MC4 Compatible

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