

72

72 CELLS

P

POLY  
CRYSTALLINE

3/4

3/4 BUS BAR



156 x 156 mm  
6 x 6"



SILVER FRAME



WHITE BACKSHEET

POSITIVE POWER OUTPUT TOLERANCE

HAILSTORM RESISTANCE

ULTRA-LIGHT ALUMINUM FRAME

ANTI-REFLECTIVE GLASS

30 YEARS LINEAR POWER WARRANTY

15 YEARS PRODUCT WARRANTY

## POLY CRYSTALLINE SOLAR PANELS - 72 CELLS

### TOP-REASONS TO CHOOSE OUR POLY CRYSTALLINE PANELS

#### A combination of quality and strenght

We offer 30-years warranty on the production output and 15-years warranty on the product defects. Our solar panels are made with sturdy materials and capable of withstanding high wind and snow loads.

#### We place great importance on your investment

Our panels always provide positive power tolerance and are competitively priced.

#### Flexibility is our added value

Thanks to the wide range of output powers our panels can be used for all kind of applications.

#### We provide certified "Made in EU" quality

Our panels are manufactured in Italy and endorsed by a qualified team.

## ELECTRICAL CHARACTERISTICS (STC)\*

	SCP-300	SCP-310	SCP-320
Nominal Output (Pmax)	300 W	310 W	320 W
Flash Test Power Tolerance	0/+5 W	0/+5 W	0/+5 W
Voltage at Pmax (Vmp)	36.8 V	37.02 V	37.38 V
Current at Pmax (Imp)	8.16 A	8.38 A	8.57 A
Open Circuit Voltage (Voc)	45.32 V	45.52 V	45.63 V
Short Circuit Current (Isc)	8.65 A	8.88 A	9.13 A
Maximum System Voltage	1000 V	1000 V	1000 V
Maximum Series Fuse Rating	15 A	15 A	15 A
Cell Efficiency	17.12 %	17.69 %	18.26 %
Module Efficiency	15.45 %	15.97 %	16.45 %

\*STC (Standard Test Conditions): Irradiance 1000 W/m<sup>2</sup>; Module Temp. 25°C; Air Mass 1.5

## MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) poly crystalline	Diodes	3 Bypass diodes serviceable
Solar Cells Size	156x156 mm / 6x6"	Junction Box	IP65 rated
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass	Connector	MC4 or compatible connector
Back Cover	TPT (Tedlar-PET-Tedlar)	Cables Length	900 mm / 35.4"
Encapsulant	EVA (Ethylene vinyl acetate)	Cables Section	4.0 mm <sup>2</sup> / 0.006 in <sup>2</sup>
Frame	Anodized aluminium alloy, double wall	Dimensions	1957x992x40 mm / 64.5x39x1.57"
Frame finishing	Silver	Weight	22.5 Kg / 49.6 lb
Backsheet finishing	White	Max. Load	Certified to 5400 Pa

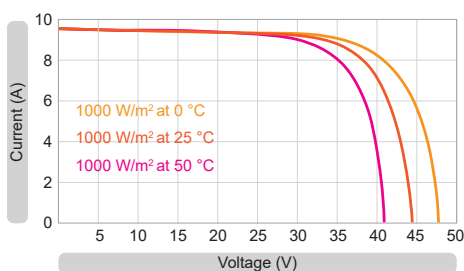
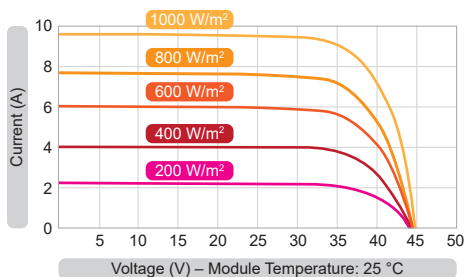
## TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.43 %/°C	Operating Temperature	-40 °C ~ +85°C
Temperature Coefficient of Voc	-0.32 %/°C	NOCT**	45±2 °C
Temperature Coefficient of Isc	0.04 %/°C	**NOCT (Normal Operating Cell Temperature): Irradiance 800 W/m <sup>2</sup> ; Air 20°C; Wind speed 1m/s	

## PACKAGING

Pallet dimensions	2000x1100x1200 mm / 79x43x47"	Weight	622 Kg / 1371 lb
Pieces per pallet	27	Pallets Stacked	up to two

## CURRENT/VOLTAGE CHARACTERISTICS



## DIMENSIONS

