

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/m²; 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 ² / 0.006 in ²
Frame	Anodized aluminium alloy, double wall	Dimensions	1957x992x40 mm / 77x39x1.57"
Frame finishing	Silver	Weight	22.5 Kg / 49.6 lb
Backsheet finishing	White	Max. Load	Certified to 5400 Pa

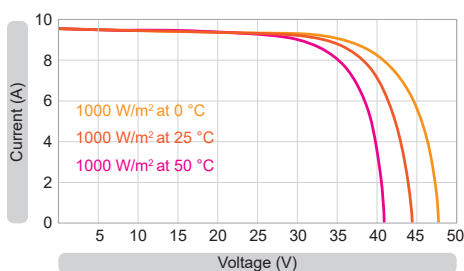
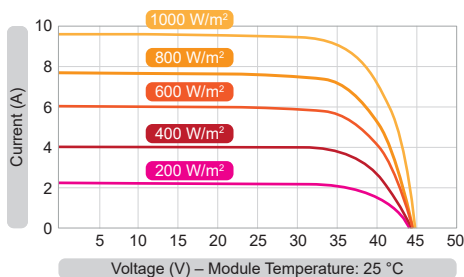
TEMPERATURE CHARACTERISTICS

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 ² ; 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

