///PEIMAR

POSITIVE POWER
OUTPUT TOLERANCE

30 YEAR LINEAR POWER WARRANTY
20 YEAR PRODUCT WARRANTY

HAILSTORM RESISTANCE

STRONG YET ULTRA-LIGHT
ALUMINUM FRAME

ANTI-REFLECTIVE GLASS

MODULE FIRE PERFORMANCE: **1**

(EU)

Poly 72 cells • SG - THE COMMERCIAL LINE
SG320P

PEIMAR polycrystalline solar panels made in Italy provide customers with a perfect combination of high-efficiency and versatility.
Thanks to the use of high-quality solar cells, our panels achieve outstanding performance and ensure maximum production output even under poor lighting and weather conditions.
The strong yet ultra-light frames, available in silver or black make installation easy but robust in either residential, commercial or large-scale settings.

Cells

Type_ **POLY 3BB - 4BB**
Qty_ **72 pcs**
Dimensions_ **156x156 mm**
6x6 inch

Frame

SILVER

Backsheet

WHITE

FSEC | kiwa Partner for progress | GO SOLAR CALIFORNIA | ETL LISTED | ECOEM riciclo e gestione dei raee | CSI CERTIFICAZIONE E TESTING | ISO | OHSAS 18001 | CE

ELECTRICAL Characteristics (STC)*

	SG320P
Nominal Output (Pmax)	320 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	36.0 V
Current at Pmax (Imp)	8.89 A
Open Circuit Voltage (Voc)	44.6 V
Short Circuit Current (Isc)	9.59 A
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	15 A
Cell Efficiency	18.26 %
Module Efficiency	16.48 %

STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

MECHANICAL Characteristics

Solar Cells	72 (6x12) polycrystalline
Solar Cells Size	156x156 mm / 6x6"
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Silver
Backsheet finishing	White
Diodes	3 Bypass diodes serviceable
Junction Box	IP65 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.4"
Cables Section	4.0 mm² / 0,006 in²
Dimensions	1957x992x40 mm / 77x39x1,57"
Weight	22.5 Kg / 49.6 lb
Max. Load	Certified to 5400 Pa

TEMPERATURE Characteristics

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.43 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

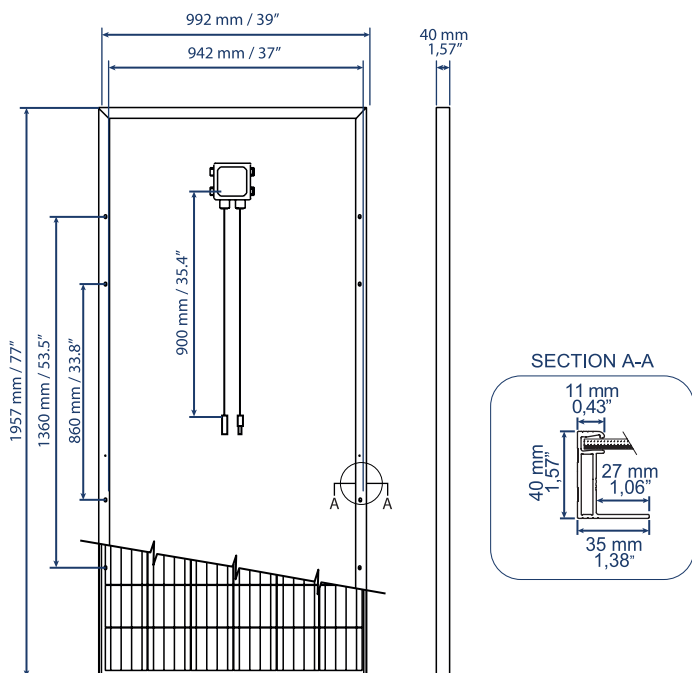**NOCT: Nominal Operation Cell Temperature Sun 800W/m²; Air 20°C; Wind speed 1m/s*

PACKAGING***

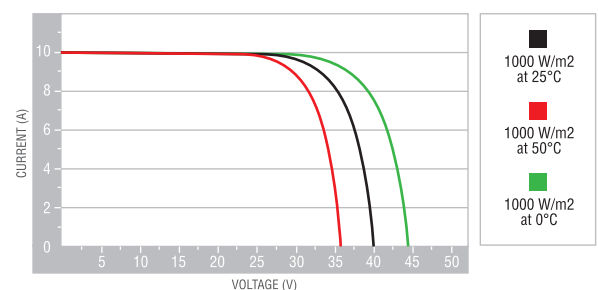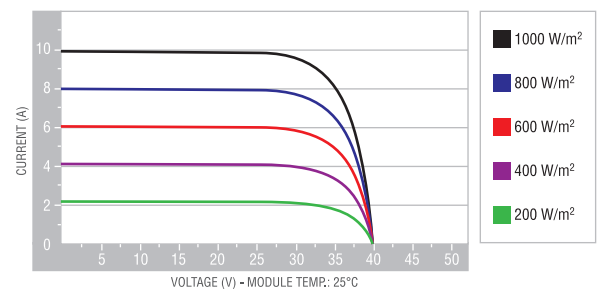|	
Pallet dimensions	2000x1100x1200 mm / 79x43x47"
Pieces per pallet	27
Weight	622 Kg / 1371 lb

*** Pallets can be stacked up to two*

CERTIFICATIONS

Fire Resistance Rating	1 (UNI 9177)

DIMENSIONS

CURRENT/VOLTAGE Characteristics

• *Values apply to panel SG320P*

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