

SOLAR MODULE
POLYCRYSTALLINE • 60 CELLS



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



Poly 60 cells • S-GREEN LINE
SG250P • SG260P • SG270P

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_ **60 pcs**
Dimensions_ **156x156 mm**
6x6 inch

Frame



SILVER



BLACK

Backsheet



WHITE

ELECTRICAL Characteristics (STC) *

	SG250P	SG260P	SG270P
Nominal Output (Pmax)	250 W	260 W	270 W
Flash Test Power Tolerance	0/+5 W	0/+5 W	0/+5 W
Voltage at Pmax (Vmp)	30.4 V	30.6 V	30.8 V
Current at Pmax (Imp)	8.23 A	8.50 A	8.77 A
Open Circuit Voltage (Voc)	36.5 V	36.8 V	37.2 V
Short Circuit Current (Isc)	9.21 A	9.52 A	9.82 A
Maximum System Voltage	1000 V	1000 V	1000 V
Maximum Series Fuse Rating	15 A	15 A	15 A
Cell Efficiency	17.12 %	17.81 %	18.49 %
Module Efficiency	15.37 %	15.98 %	16.60 %

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

MECHANICAL Characteristics

Solar Cells	60 (6x10) 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/Black
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 mm ² / 0,006 in ²
Dimensions	1640x992x40 mm / 64,5x39x1,57"
Weight	18 Kg / 39.7 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 ***

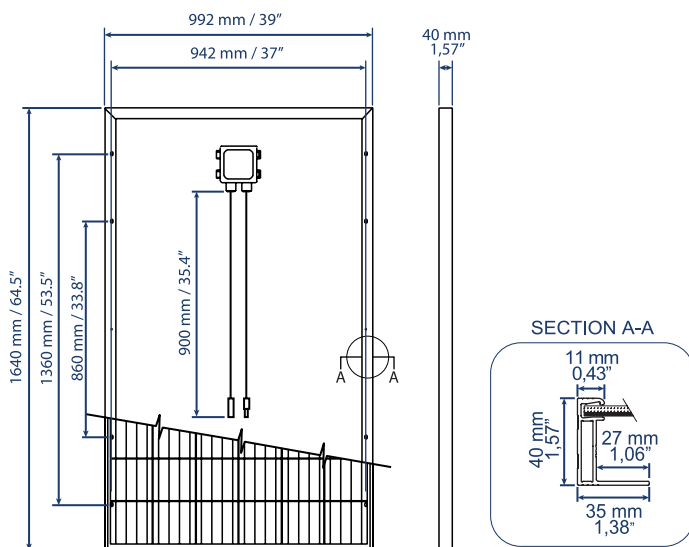
Pallet dimensions	1700x1100x1200 mm / 67x43x47"
Pieces per pallet	27
Weight	516 Kg / 1138 lb

*** Pallets can be stacked up to two

CERTIFICATIONS

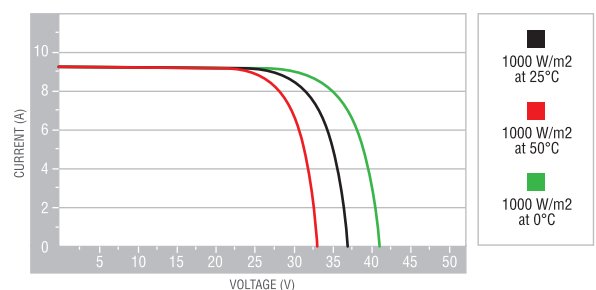
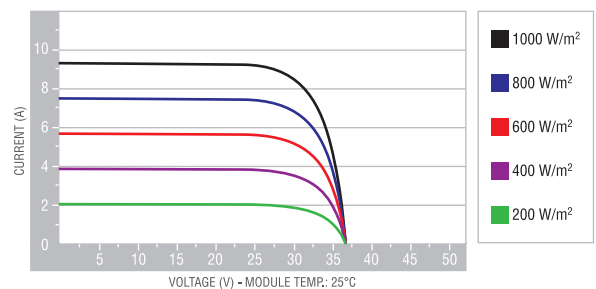
Fire Resistance Rating	1 (UNI 9177)
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DIMENSIONS



CURRENT/VOLTAGE Characteristics

• Values apply to panel SG250P



It is important to point out, that all technical specifications, information and figures contained in this datasheet are estimated values. Peimar reserves the right to change the technical specifications, information and figures contained in this document at any time and without notice.

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