///PEIMAR
Italian PHOTOVOLTAIC MODULES

30 YEAR LINEAR POWER WARRANTY
ANNI GARANZIA LINEARE PRODUZIONE

20 YEAR PRODUCT WARRANTY
ANNI GARANZIA PRODOTTO

COMMERCIAL LINE

SG325P

"MADE IN ITALY" MODULE

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, make installation easy but robust in either residential, commercial or large-scale settings.

POSITIVE POWER OUTPUT TOLERANCE

PID FREE

MODULE FIRE PERFORMANCE: **CLASS I**

ANTI-REFLECTIVE GLASS

HAILSTORM RESISTANCE

CELLS

72 POLY

QTY:
72 CELLS
TYPE:
POLY 5BB
DIMENSION:
156x156 mm / 6x6"

FRAME

BACKSHEET

JUNCTION BOX

IP67

ELECTRICAL CHARACTERISTICS (STC)*

	SG325P
Nominal Output (Pmax)	325 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	36.3 V
Current at Pmax (Imp)	8.96 A
Open Circuit Voltage (Voc)	44.6 V
Short Circuit Current (Isc)	9.74 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	16.74%

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	IP67 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 lbs
Max. Load	Certified to 5400 Pa

TEMPERATURE CHARACTERISTICS

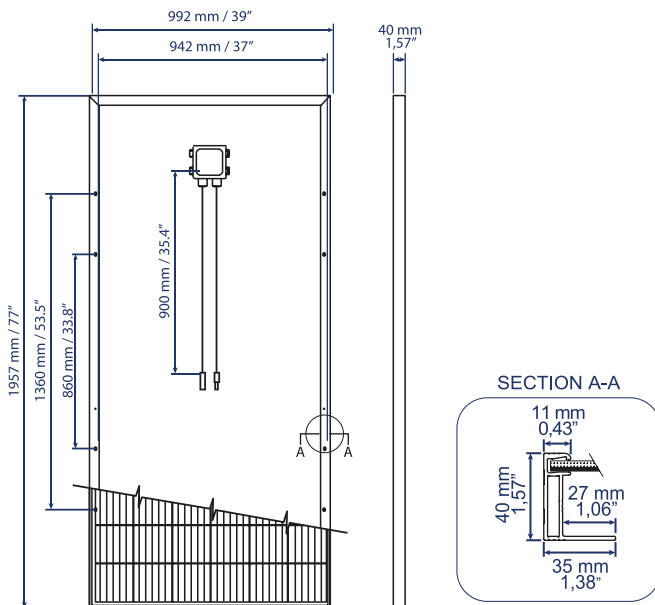|	
NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.43 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

PACKAGING***

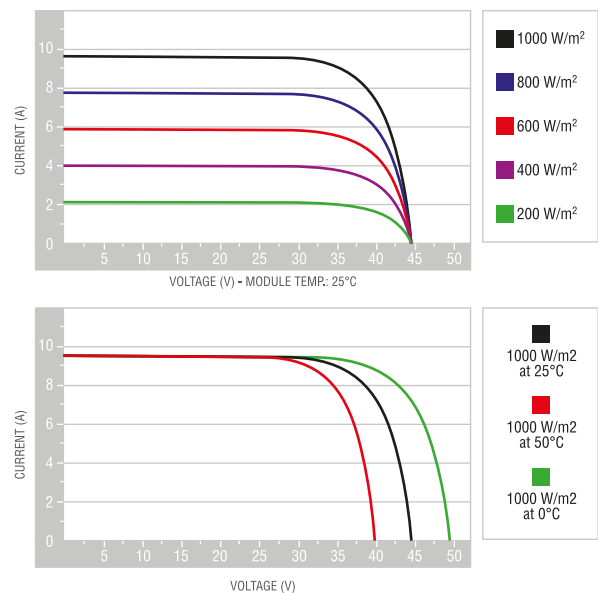|	
Pallet dimensions	2000x1200x1200 mm / 79x47x47"
Pieces per pallet	27
Weight	622 Kg / 1371 lbs

CERTIFICATIONS

Fire Resistance Rating	1 (UNI 9177)
PID free	IEC TS 62804-1:2015

DIMENSIONS

CURRENT/VOLTAGE CHARACTERISTICS

Values apply to modules: SG325P

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

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

***Pallets can be stacked up to two*

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