



## SG340P

72-CELL LINE



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.



**30** YEAR LINEAR POWER WARRANTY

**20** YEAR PRODUCT WARRANTY



**PID FREE**



MODULE FIRE PERFORMANCE: **CLASS 1**

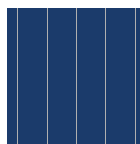


**ANTI-REFLECTIVE GLASS**



**QBE INSURANCE**  
Product Liability Insurance QBE

### CELLS



72 CELLS  
POLY 5BB

156.75x156.75 mm / 6.17x6.17"

### FRAME



COMPACT AND STURDY | **40mm**

ANCHORABLE ALSO ON THE SHORT SIDE <sup>(5)</sup>

## ELECTRICAL CHARACTERISTICS (STC) <sup>(1)</sup>

Nominal Output (Pmax) <sup>(2)</sup>	
Sorting Tolerance	
Voltage at Pmax (Vmp)	
Current at Pmax (Imp)	
Open Circuit Voltage (Voc) <sup>(2)</sup>	
Short Circuit Current (Isc) <sup>(2)</sup>	
Maximum System Voltage	
Maximum Series Fuse Rating	
Module Efficiency	
Protection class against electric shock	

## SG340P

Nominal Output (Pmax) <sup>(2)</sup>	340 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	38.3 V
Current at Pmax (Imp)	8.88 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	46.73 V
Short Circuit Current (Isc) <sup>(2)</sup>	9.51 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	17.52%
Protection class against electric shock	Class II

## MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) polycrystalline
Solar Cells Size	156.75x156.75 mm / 6.17x6.17"
Front Cover	3.2 mm / 0.13" 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	1100 mm / 43.31"
Cables Section	4.0 mm <sup>2</sup> / 0.006 in <sup>2</sup>
Dimensions	1956x992x40 mm / 77.01x39.06x1.57"
Weight	20.5 kg / 45.19 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 <sup>(5)</sup>

## TEMPERATURE CHARACTERISTICS

NMOT <sup>(3)</sup>	45±2 °C
Temperature Coefficient of Pmax	-0.39 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.042 %/°C
Operating Temperature	-40 °C ~ +85°C

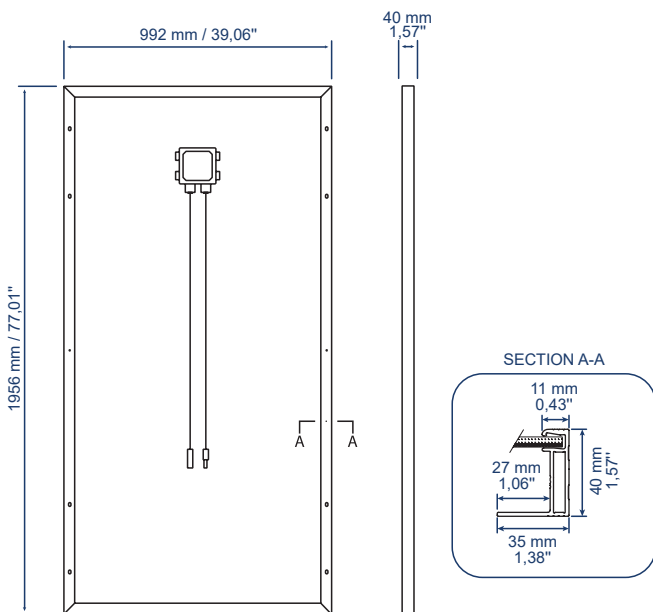
## PACKAGING <sup>(4)</sup>

Pallet dimensions	2000x1200x1200 mm / 78.74x47.24x47.24"
Pieces per pallet	27
Weight	622 Kg / 1371 lbs

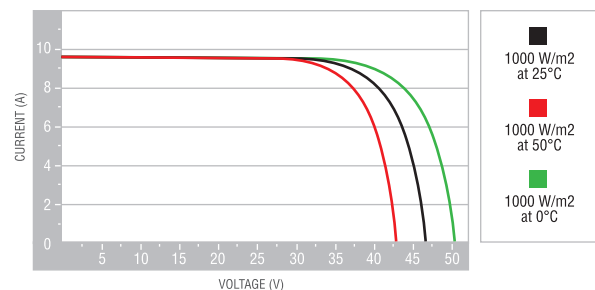
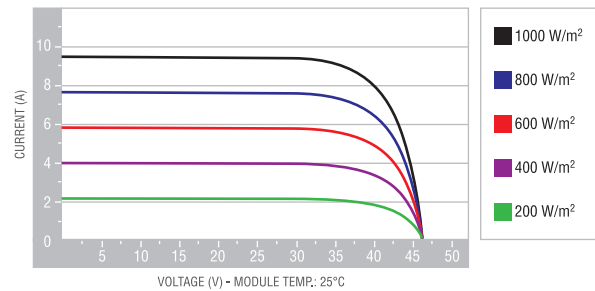
## CERTIFICATIONS

Fire Resistance Rating	Class of reaction to fire: 1 (UNI 9177)
PID free	IEC TS 62804-1:2015
Salt mist	IEC 61701:2011
Ammonia	IEC 62716:2013
Dust and sand	IEC 60068-2-68:1994

## DIMENSIONS



## CURRENT/VOLTAGE CHARACTERISTICS



1. STC: (Standard Test Condition) Irradiance 1000W/m<sup>2</sup>; Module Temperature 25°C; Air Mass 1.5

2. Pmax, Voc, Isc measurement tolerance: ±3%

3. NMOT: Nominal Module Operating Temperature; Irradiance 800W/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

4. Pallets can be stacked up to two

5. Consult the installation manual for the relative mounting configurations