

30 YEAR LINEAR POWER WARRANTY
ANNI GARANZIA LINEARE PRODUZIONE

20 YEAR PRODUCT WARRANTY
ANNI GARANZIA PRODOTTO

HIGH EFFICIENCY LINE

SG200M5

 "MADE IN ITALY" MODULE

PEIMAR monocrystalline solar panels, produced using a combination of innovative production processes and advanced engineering techniques, provide customers with maximum output and super high performance (over 20% efficiency). This allows fewer panels to be used to generate more energy, ideal if space is restricted or environmental conditions are challenging. Modern design, using matching black cells and frames and a very long lifespan ensure this monocrystalline are a great option.



POSITIVE POWER OUTPUT TOLERANCE



MODULE FIRE PERFORMANCE: CLASS I



ANTI-REFLECTIVE GLASS



HAILSTORM RESISTANCE

CELLS

72
MONO



QTY:
72 CELLS
TYPE:
MONO 2BB
DIMENSION:
125x125 mm / 4.9x4.9"

FRAME



BACKSHEET



JUNCTION BOX



ELECTRICAL CHARACTERISTICS (STC)*

	SG200M5
Nominal Output (Pmax)	200 W
Flash Test Power Tolerance	0/ +5 W
Voltage at Pmax (Vmp)	37.0 V
Current at Pmax (Imp)	5.41 A
Open Circuit Voltage (Voc)	45.2 V
Short Circuit Current (Isc)	5.75 A
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	15 A
Cell Efficiency	18.74%
Module Efficiency	15.67%

MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) monocrystalline
Solar Cells Size	125x125 mm / 4.9x4.9"
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	Black
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 mm ² / 0.006 in ²
Dimensions	1580x808x35 mm / 62.2x31.8x1.38"
Weight	14.5 Kg / 31.9 lbs
Max. Load	Certified to 5400 Pa

TEMPERATURE CHARACTERISTICS

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.40 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

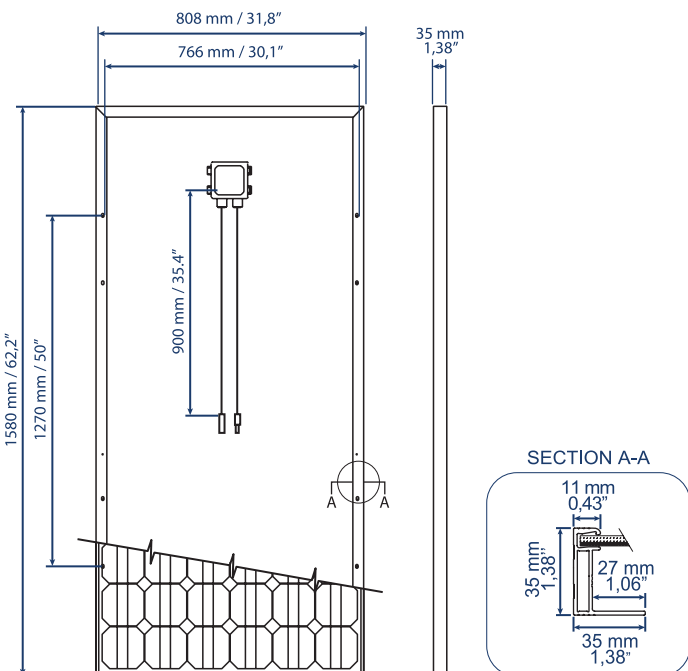
PACKAGING***

Pallet dimensions	1650x1100x1200 mm / 64.9x43x47"
Pieces per pallet	30
Weight	450 Kg / 992 lbs

CERTIFICATIONS

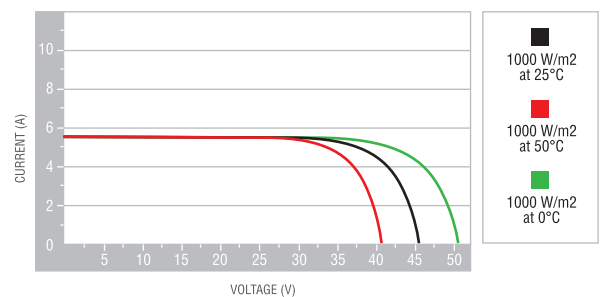
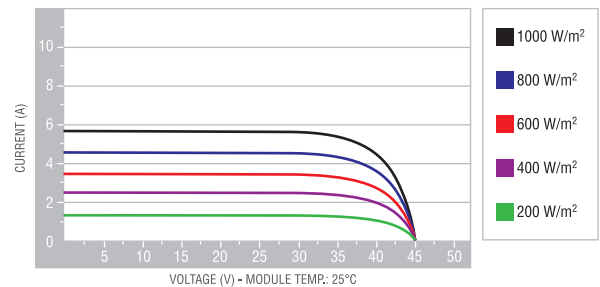
Fire Resistance Rating	1 (UNI 9177)
------------------------	--------------

DIMENSIONS



CURRENT/VOLTAGE CHARACTERISTICS

Values apply to modules: SG200M5



*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 1/m/s

***Pallets can be stacked up to two

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 without notice.

US_VERS 1_07/2018

PEIMAR
ITALIAN PHOTOVOLTAIC MODULES

Via Creta 72, 25124 Brescia, ITALY • www.peimar.com • info@peimar.com