/// PEIMAR
Italian PHOTOVOLTAIC MODULES

ASSURED ENERGY
Product Liability Insurance QBE

PERC TECHNOLOGY*
Passivated Emitter and Rear Cell

30 YEAR LINEAR POWER WARRANTY
ANNI GARANZIA LINEARE PRODUZIONE

20 YEAR PRODUCT WARRANTY
ANNI GARANZIA PRODOTTO

HIGH POWER LINE

SG360M

"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. This allows fewer panels to be used to generate more energy, ideal if space is restricted or environmental conditions are challenging. Modern design and frames and a very long lifespan ensure this monochrystalline are a great option.

*Thanks to the use of **PERC** cells, Peimar modules are able to reach even higher efficiences, as they facilitate the light imprisonment in close proximity to the rear surface and optimise the electron capture.

POSITIVE POWER OUTPUT TOLERANCE

MODULE FIRE PERFORMANCE: **CLASS I**

ANTI-REFLECTIVE GLASS

HAILSTORM RESISTANCE

CELLS

72 MONO

QTY:
72 CELLS
TYPE:
MONO 5BB
PERC TECHNOLOGY
DIMENSION:
156x156 mm / 6x6"

FRAME

BACKSHEET

JUNCTION BOX

IP67

ELECTRICAL CHARACTERISTICS (STC)*

	SG360M
Nominal Output (Pmax)	360 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	38 V
Current at Pmax (Imp)	9.48 A
Open Circuit Voltage (Voc)	46.6 V
Short Circuit Current (Isc)	10.09 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	18.54%

MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) monocrystalline **PERC**
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	1100 mm / 43.3"
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

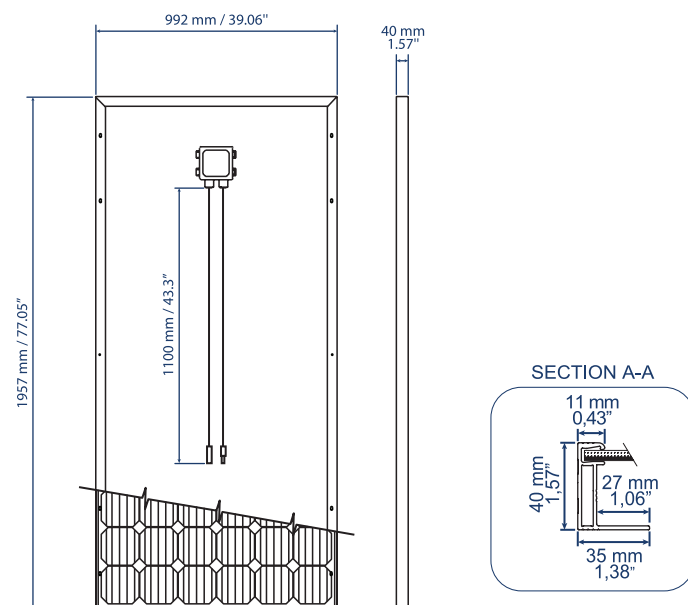|	
NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.40 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

PACKAGING***

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

CERTIFICATIONS

Fire Resistance Rating	1 (UNI 9177)

DIMENSIONS

CURRENT/VOLTAGE CHARACTERISTICS

Values apply to modules: SG360M
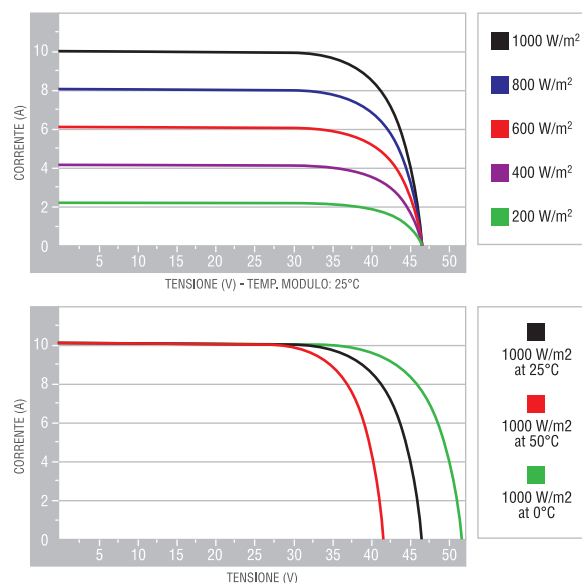
*STC: (Standard Test Condition) Irradiance 1000W/m²; Module Temperature 25°C; Air Mass 1.5

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

***Pallets can be stacked up to two

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.
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