



SG310M (FB)

RESIDENTIAL LINE



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, using matching black cells and frames and a very long lifespan ensure this monocrystalline are a great option.



30 YEAR LINEAR POWER WARRANTY

20 YEAR PRODUCT WARRANTY



PERC TECHNOLOGY



PID FREE



MODULE FIRE PERFORMANCE: **CLASS 1**

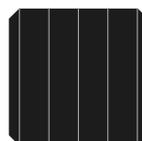


ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

CELLS



60 CELLS
MONO 5BB | **PERC**

156.75x156.75 mm / 6.17x6.17"

FRAME



COMPACT AND STURDY | **40mm**

ANCHORABLE ALSO ON THE SHORT SIDE ⁽⁵⁾

ELECTRICAL CHARACTERISTICS (STC) ⁽¹⁾

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

SG310M (FB)

Nominal Output (Pmax) ⁽²⁾	310 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	33.45 V
Current at Pmax (Imp)	9.27 A
Open Circuit Voltage (Voc) ⁽²⁾	40.81 V
Short Circuit Current (Isc) ⁽²⁾	9.92 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	19.05%
Protection class against electric shock	Class II

MECHANICAL CHARACTERISTICS

Solar Cells	60 (6x10) monocrystalline PERC
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	Black
Backsheet finishing	Black
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.43"
Cables Section	4.0 mm ² / 0,006 in ²
Dimensions	1640x992x40 mm / 64.57x39.06x1.57"
Weight	18 Kg / 39.68 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 ⁽⁵⁾

TEMPERATURE CHARACTERISTICS

NMOT ⁽³⁾	45±2 °C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.042 %/°C
Operating Temperature	-40 °C ~ +85°C

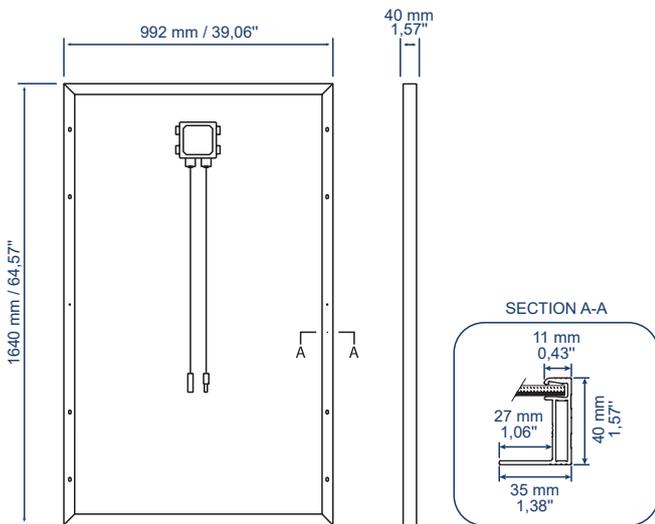
PACKAGING ⁽⁴⁾

Pallet dimensions	1700x1200x1200 mm / 66.93x47.24x47.24"
Pieces per pallet	27
Weight	516 Kg / 1138 lbs

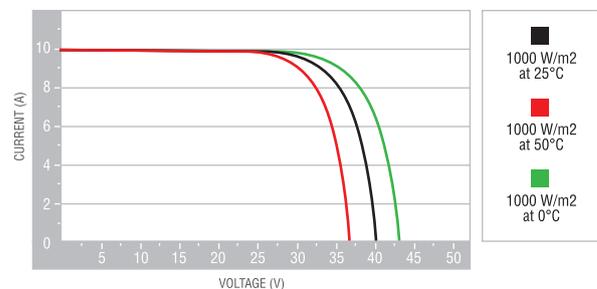
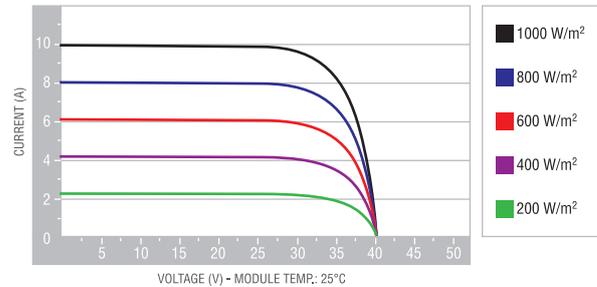
CERTIFICATIONS

Fire Resistance Rating	Class of reaction to fire: 1 (UNI 9177)
PID free	IEC TS 62804-1:2015

DIMENSIONS



CURRENT/VOLTAGE CHARACTERISTICS



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

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

3. NMOT: Nominal Module Operating Temperature: Irradiance 800W/m²; 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