



SF390M (FB)

NEW

FULL CELL 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



MODULE FIRE PERFORMANCE: **CLASS 1**



ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

CELLS



66 CELLS
MONO 9BB M6 | **PERC**

166x166 mm / 6.53x6.53"

FRAME



COMPACT AND STURDY | **40mm**

ANCHORABLE ALSO ON THE SHORT SIDE ⁽⁵⁾

This technical datasheet has been prepared for commercial purposes only. Please ask for the final version to confirm the technical data

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	

SF390M (FB)

Nominal Output (Pmax) ⁽²⁾	390 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	37.60 V
Current at Pmax (Imp)	10.37 A
Open Circuit Voltage (Voc) ⁽²⁾	45.12 V
Short Circuit Current (Isc) ⁽²⁾	10.98 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	19.59%
Protection class against electric shock	Class II

MECHANICAL CHARACTERISTICS

Solar Cells	66 (6x11) M6 monocrystalline PERC
Solar Cells Size	166x166 mm / 6.53x6.53"
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	1100 mm / 43.31"
Cables Section	4.0 mm ² / 0.006 in ²
Dimensions	1900x1048x40 mm / 74.80x41.25x1.57"
Weight	22 kg / 48.5 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

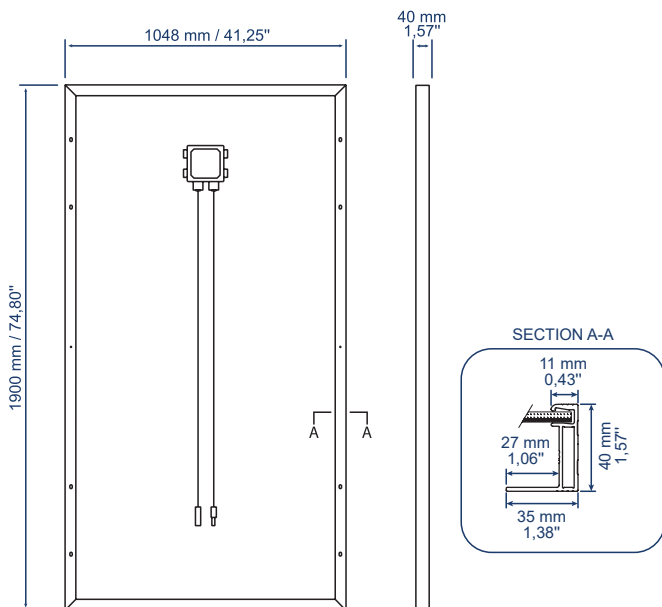
PACKAGING ⁽³⁾

Pallet dimensions	1950x1200x1210 mm / 76.77x47.24x47.64"
Pieces per pallet	27
Weight	610 Kg / 1344 lbs

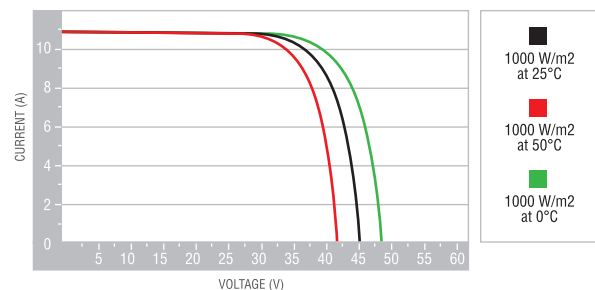
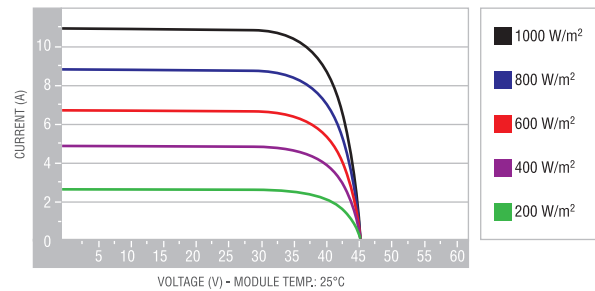
CERTIFICATIONS

Fire Resistance Rating	Class of reaction to fire 1 (UNI 9177)
------------------------	--

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

This technical datasheet has been prepared for commercial purposes only. Please ask for the final version to confirm the technical data