

SM400M

COMMERCIAL LINE



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 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**

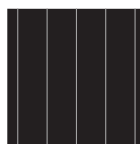


ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

CELLS



72 CELLS
MONO 5BB M3 | **PERC**

158.75x158.75mm / 6.25x6.25"

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	

SM400M	
Nominal Output (Pmax) ⁽²⁾	400 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	41.3 V
Current at Pmax (Imp)	9.69 A
Open Circuit Voltage (Voc) ⁽²⁾	50.39 V
Short Circuit Current (Isc) ⁽²⁾	10.26 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	20.17%
Protection class against electric shock	Class II

MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) M3 monocrystalline PERC
Solar Cells Size	158.75x158.75 mm / 6.25x6.25"
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 ² / 0,006 in ²
Dimensions	1979x1002x40 mm / 77.91x39.45x1.57"
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

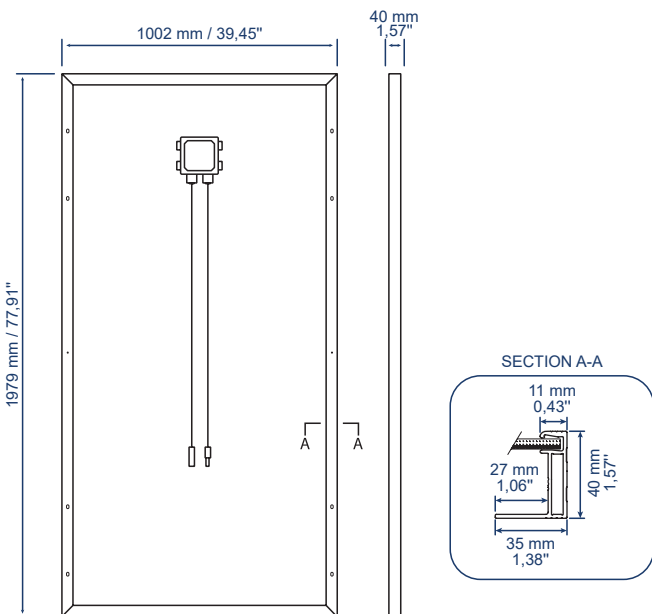
PACKAGING ⁽⁴⁾

Pallet dimensions	2000x1200x1210 mm / 78.74x47.24x47.64"
Pieces per pallet	27
Weight	630 Kg / 1388.9 lbs

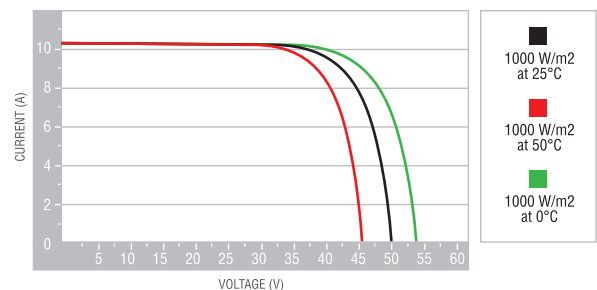
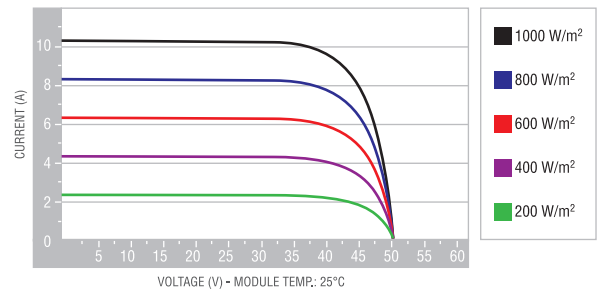
CERTIFICATIONS

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

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