

SM400M

COMMERCIAL 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 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**

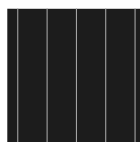


ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

CELLS



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

158.75x158.75mm / 6.25x6.25"

FRAME



COMPACT AND STURDY | **40mm**

ANCHORABLE ALSO ON THE SHORT SIDE ⁽⁴⁾

ELECTRICAL CHARACTERISTICS (STC) ⁽¹⁾

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

| SM400M | |
|---|----------|
| Nominal Output (Pmax) | 400 W |
| Power Tolerance | 0/+5 W |
| Voltage at Pmax (Vmp) | 41.3 V |
| Current at Pmax (Imp) | 9.69 A |
| Open Circuit Voltage (Voc) | 50.39 V |
| Short Circuit Current (Isc) | 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 ⁽⁴⁾ | Certified to 5400 Pa |

TEMPERATURE CHARACTERISTICS

| | |
|---------------------------------|----------------|
| NOCT ⁽²⁾ | 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 |

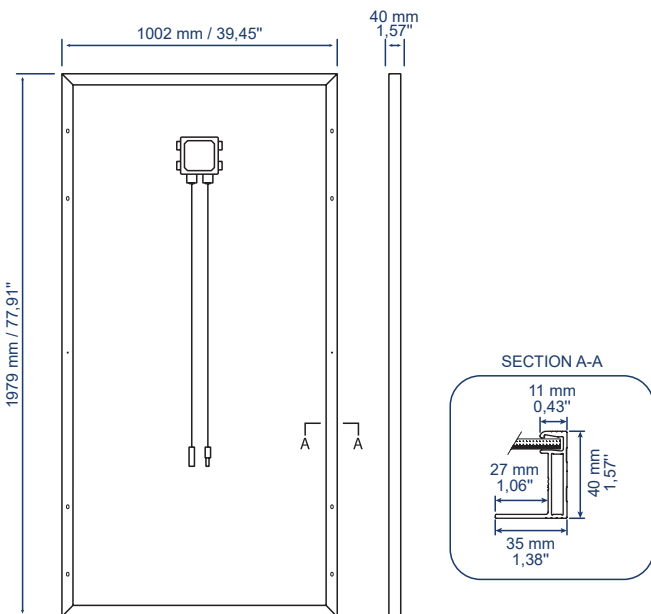
PACKAGING ⁽³⁾

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

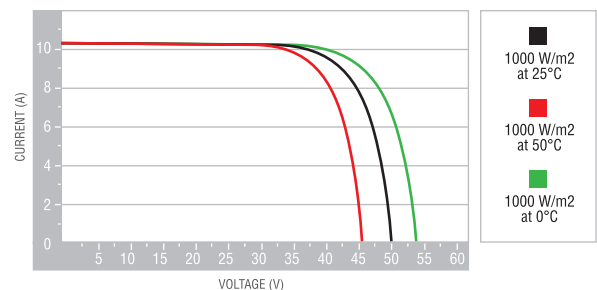
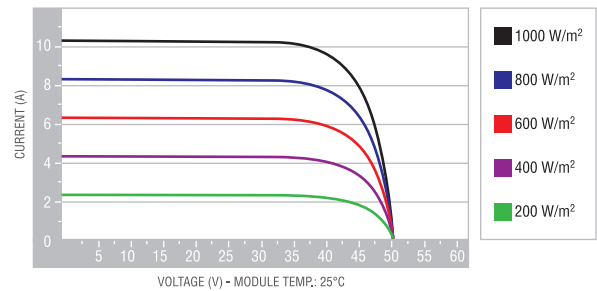
CERTIFICATIONS

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

DIMENSIONS



CURRENT/VOLTAGE CHARACTERISTICS



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

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

3. Pallets can be stacked up to two

4. Consult the installation manual for the relative mounting configurations