

## SM350M (FR)

### RED LINE



Technology is combined with aesthetics in a new line of Peimar red colored monocrystalline modules, which contributes to preserving the natural beauty of the surrounding environment without sacrificing high performance. The red color is obtained thanks to the use of tempered glass with pigmentation in nanotechnology, superimposed on the highly performing monocrystalline perc cells. The Red line blends perfectly into the surrounding environment, making it particularly suitable for installations in areas subject to landscape restrictions, without any disadvantages in terms of quality and efficiency.



**30** YEAR **LINEAR POWER** WARRANTY

**20** YEAR **PRODUCT** WARRANTY



**PERC** TECHNOLOGY



MODULE FIRE PERFORMANCE: **CLASS 1**

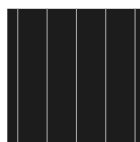


**ANTI-REFLECTIVE** GLASS



**QBE INSURANCE**  
Product Liability Insurance QBE

### CELLS



72 CELLS  
MONO 5BB / 9BB M3 | **PERC**

158.75x158.75mm / 6.25x6.25"

### FRAME



COMPACT AND STURDY | **40mm**  
RED (RAL 8015)

ANCHORABLE ALSO ON THE SHORT  
SIDE <sup>(5)</sup>

### GLASS



TREATMENT OF PIGMENTED  
NANOPARTICLES

RED COLORING

## ELECTRICAL CHARACTERISTICS (STC) <sup>(1)</sup>

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

SM350M (FR)	
Nominal Output (Pmax) <sup>(2)</sup>	350 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	39.3 V
Current at Pmax (Imp)	8.94 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	47.95 V
Short Circuit Current (Isc) <sup>(2)</sup>	9.46 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	17.65%
Protection class against electric shock	Class II

## MECHANICAL CHARACTERISTICS

Solar Cells	72 (6x12) M3 monocrystalline <b>PERC</b>
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	Red (RAL 8015)
Backsheet finishing	Black
Glass	Red (treatment of pigmented nanoparticles)
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 <sup>2</sup> / 0.006 in <sup>2</sup>
Dimensions	1979x1002x40 mm / 77.91x39.45x1.57"
Weight	22 Kg / 48.5 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 <sup>(5)</sup>

## TEMPERATURE CHARACTERISTICS

NMOT <sup>(3)</sup>	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

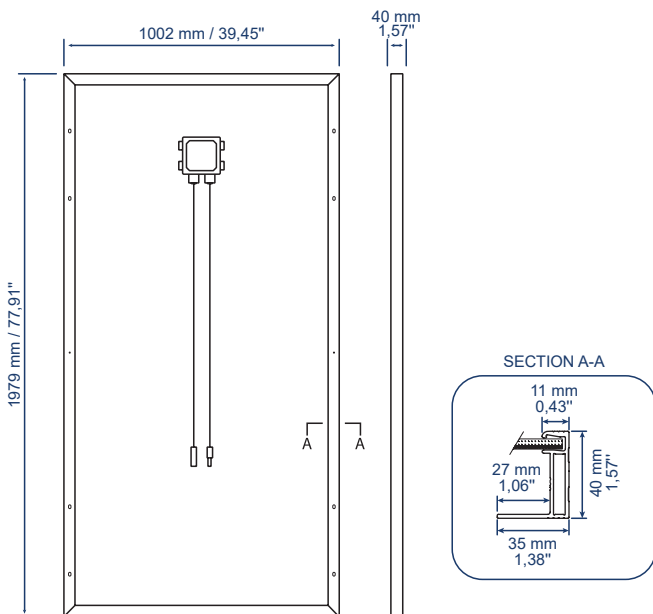
## PACKAGING <sup>(4)</sup>

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

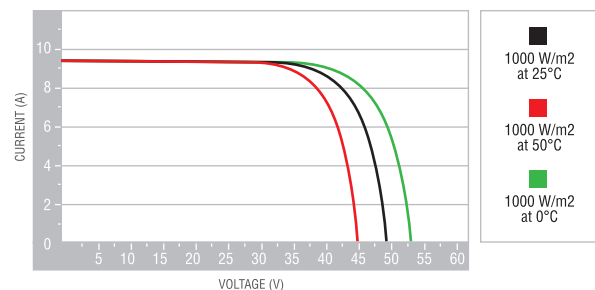
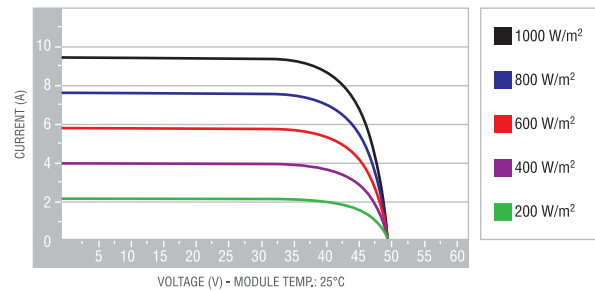
## CERTIFICATIONS

Fire Resistance Rating	Class of reaction to fire: 1 (UNI 9177)
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## DIMENSIONS



## CURRENT/VOLTAGE CHARACTERISTICS



1. STC: (Standard Test Condition) Irradiance 1000W/m<sup>2</sup>; Module Temperature 25°C; Air Mass 1.5
2. Pmax, Voc, Isc measurement tolerance: ±3%
3. NMOT: Nominal Module Operating Temperature; Irradiance 800W/m<sup>2</sup>; 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