



Rear side

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



**PERC TECHNOLOGY | BIFACIAL CELLS**



**MODULE FIRE PERFORMANCE: TYPE 1**



**ANTI-REFLECTIVE GLASS**



**QBE INSURANCE**  
Product Liability Insurance QBE

## SA550M (B)

72-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. Additionally, this module uses bifacial cells, which capture sunlight on both sides, further increasing overall efficiency.

### Cells



72 CELLS  
MONO 10BB M10 | PERC

182 x 182 mm / 7.16 x 7.16"

### Frame



COMPACT AND STURDY | 35 mm

ANCHORABLE ALSO ON  
THE SHORT SIDE <sup>(3)</sup>

## Electrical Characteristics (STC) <sup>(1)</sup>

## SA550M (B)

Nominal Output (Pmax) <sup>(2)</sup>	550 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	41.4 V
Current at Pmax (Imp)	13.29 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	50.92 V
Short Circuit Current (Isc) <sup>(2)</sup>	14.1 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	<b>21.55%</b>
Protection class against electric shock	Class II

## Mechanical Characteristics

Solar Cells	72 M10 monocrystalline PERC
Solar Cells Size	182 x 182 mm / 7.16 x 7.16"
Front Cover	3.2 mm / 0.13" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar) - Transparent
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Silver
Backsheet finishing	Transparent
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	1300 mm / 51.18"
Cables Section	4.0 mm <sup>2</sup> / 0.006 in <sup>2</sup>
Dimensions	2251 x 1134 x 35 mm / 88.62 x 44.65 x 1.38"
Weight	27.3 Kg / 60.18 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 <sup>(3)</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

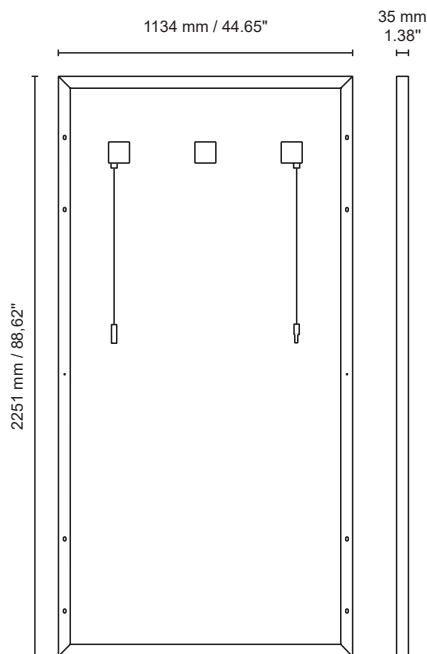
## Packaging <sup>(4)</sup>

Pallet dimensions	2310 x 1120 x 1260 mm / 90.94 x 44.09 x 49.61"
Pieces per pallet	31
Weight	880 kg / 1940.07 lbs

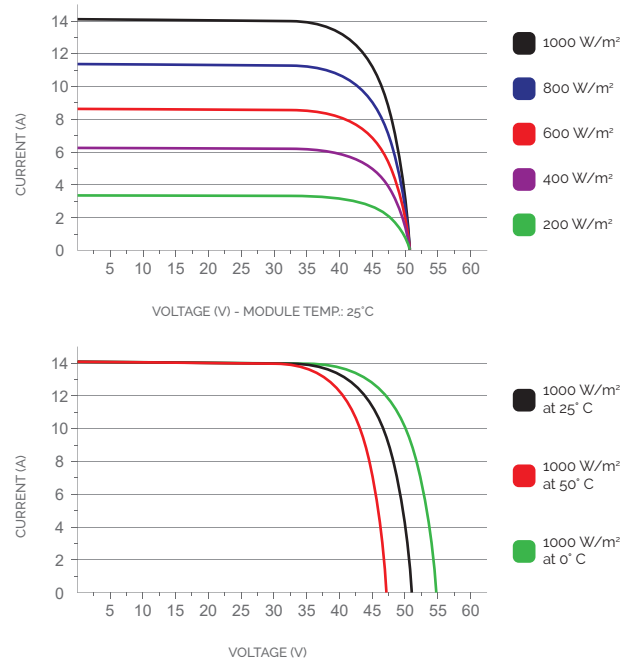
## Certifications

Fire Resistance Rating	Class of reaction to fire 1 (UNI 9177)
Salt mist	IEC 61701:2020
Ammonia	IEC 62716:2013
Fire Performance Rating	Type 1
Product Certificate	UL 61730

## 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