

# SA500M (FB)

S Series – 500 W

66 cells  
MONO M10 | PERC



## Made in Italy module

Manufactured in our production factory



## PERC monofacial technology



## Anti-reflective glass

Maximum efficiency and high performance



## Compact and sturdy frame

Anchorable also on the short side <sup>(5)</sup>



Module fire performance:

**Class 1**



## 30 years

Linear power warranty

## 30 years

Product warranty



## QBE Insurance

QBE Product Liability Insurance

QBE is a global leader in the insurance sector, offering comprehensive solutions for business risk management. With a worldwide network, it protects clients against a wide range of risks and provides flexible insurance solutions tailored to various industries, including the energy sector.

# SA500M (FB)

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

Nominal Output (Pmax) <sup>(2)</sup>	500 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	37,77 V
Current at Pmax (Imp)	13,24 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	46,46 V
Short Circuit Current (Isc) <sup>(2)</sup>	14,03 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	20 A
Module Efficiency	21,33%
Protection class against electric shock	Class II

1. STC: (Standard Test Condition) Irradiance 1000 W/m<sup>2</sup>; Module Temperature 25 °C; Air Mass 1.5

2. Pmax, Voc, Isc measurement tolerance: ±3%

## Mechanical Characteristics

Solar Cells	66 M10 monocrystalline <b>PERC</b>
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)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Black
Backsheet finishing	Black
Diodes	3 Bypass diodes serviceable
Junction Box	IP68 rated
Connector	MC4 or compatible connector
Cables Length	1100 mm / 51,18"
Cables Section	4,0 mm <sup>2</sup> / 0,006 in <sup>2</sup>
Dimensions	2067 x 1134 x 35 mm / 81,37 x 44,65 x 1,38"
Weight	23,4 kg / 51,58 lbs
Max Load (Test Load) - SF	5400 Pa - 1,5 <sup>(5)</sup>

5. Consult the installation manual for the relative mounting configurations

## Temperature Characteristics

NMOT <sup>(3)</sup>	43±2 °C
Temperature Coefficient of Pmax	-0,29 %/°C
Temperature Coefficient of Voc	-0,25 %/°C
Temperature Coefficient of Isc	0,046 %/°C
Operating Temperature	-40 °C ~ +85 °C

3. NMOT: Nominal Module Operating Temperature; Irradiance 800 W/m<sup>2</sup>; Air 20 °C; Wind speed 1 m/s

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

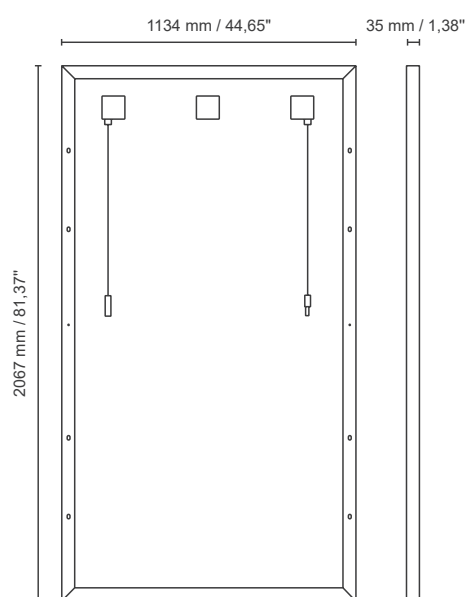
Pallet dimensions	2130 x 1120 x 1260 mm / 83,85 x 44,09 x 49,61"
Pieces per pallet	31
Weight	754 kg / 1662,46 lbs

4. Pallets can be stacked up to two

## 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

