

SA550M (B)

S Series – 550 W

72 cells
MONO M10 | PERC



Made in Italy module

Manufactured in our production factory



PERC bifacial technology



Anti-reflective glass

Maximum efficiency and high performance



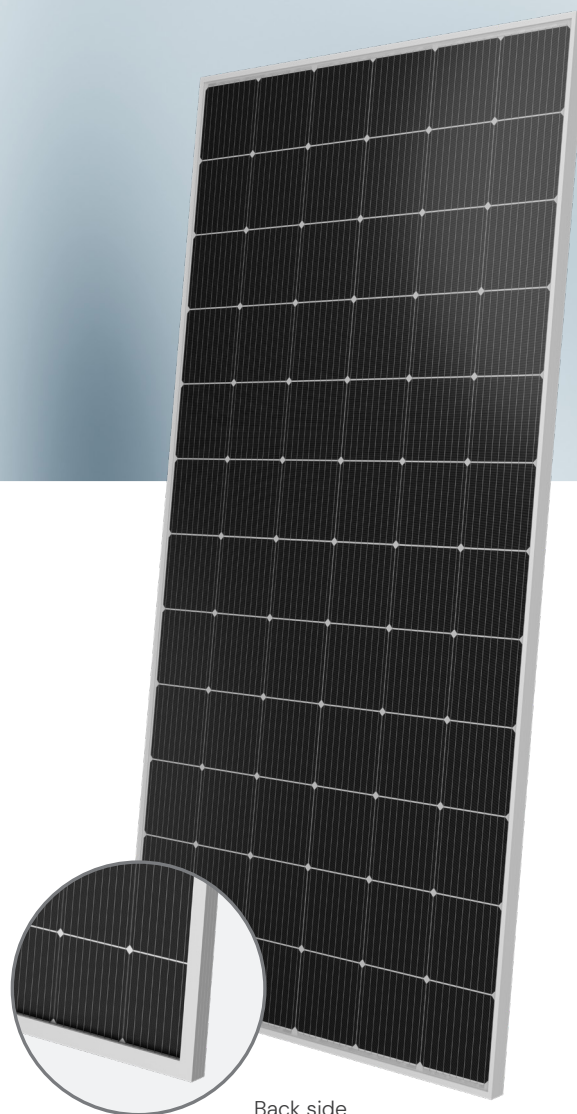
Compact and sturdy frame

Anchorable also on the short side ⁽⁵⁾



Module fire performance:

Class 1



Back side



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.

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Electrical Characteristics (STC) ⁽¹⁾

Nominal Output (Pmax) ⁽²⁾	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) ⁽²⁾	50,92 V
Short Circuit Current (Isc) ⁽²⁾	14,1 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	21,55%
Protection class against electric shock	Class II

1. STC: (Standard Test Condition) Irradiance 1000 W/m²; Module Temperature 25 °C; Air Mass 1,5

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

Mechanical Characteristics

Solar Cells	72 M10 monocrystalline PERC bifacial
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	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 ² / 0,006 in ²
Dimensions	2251 x 1134 x 35 mm / 88,62 x 44,65 x 1,38"
Weight	26,1 kg / 57,54 lbs
Max Load (Test Load) – SF	5400 Pa – 1,5 ⁽⁵⁾

5. Consult the installation manual for the relative mounting configurations

Temperature Characteristics

NMOT ⁽³⁾	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/m²; Air 20 °C; Wind speed 1 m/s

Packaging ⁽⁴⁾

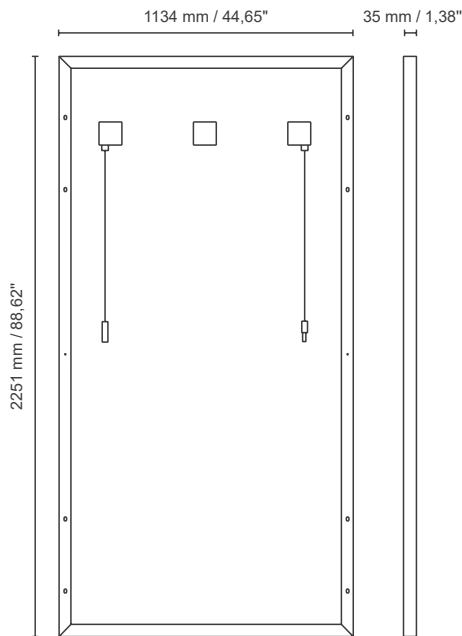
Pallet dimensions	2310 x 1120 x 1260 mm / 90,94 x 44,09 x 49,61"
Pieces per pallet	31
Weight	842 kg / 1856,91 lbs

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

Dimensions



Current/Voltage Characteristics

