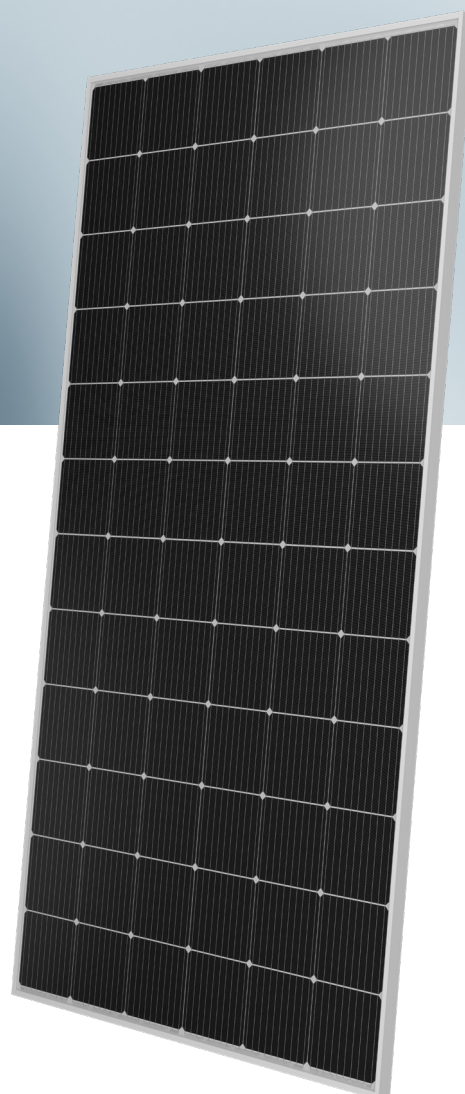


SA585MN

S Series – 585 W

72 cells
MONO M10 | N-TYPE



Made in Italy module

Manufactured in our production factory



TOPCon monofacial technology



Anti-reflective glass

Maximum efficiency and high performance



Compact and sturdy frame

Anchorable also on the short side ⁽⁵⁾



Class of reaction to fire

Class 1 (UNI 9177),
B-s1, d0 (EN 13501-1)
B_{ROOF}(t1) (EN 13501-5)



RoHS compliance

(Restriction of Hazardous Substances Directive 2011/65/UE)



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.

Electrical Characteristics (STC) ⁽¹⁾

Nominal Output (P _{max}) ⁽²⁾	585 W
Sorting Tolerance	0/+5 W
Voltage at P _{max} (V _{mp})	42,36 V
Current at P _{max} (I _{mp})	13,81 A
Open Circuit Voltage (V _{oc}) ⁽²⁾	50,08 V
Short Circuit Current (I _{sc}) ⁽²⁾	14,64 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	22,92%
Protection class against electric shock	Classe II

1. STC: (Standard Test Condition) Irradiance 1000 W/m²; Module Temperature 25 °C; Air Mass 1,5
2. P_{max}, V_{oc}, I_{sc} measurement tolerance: ±3%

Mechanical Characteristics

Solar Cells	72 M10 monocrystalline N-TYPE
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 / POE
Frame	Anodized aluminium alloy, double wall
Frame finishing	Silver
Backsheet finishing	White
Diodes	3 Bypass diodes serviceable
Junction Box	IP68 rated
Connector	MC4 or compatible connector
Cables Lenght	1100 mm / 51,18"
Cables Section	4,0 mm² / 0,006 in²
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 P _{max}	-0,29 %/°C
Temperature Coefficient of V _{oc}	-0,25 %/°C
Temperature Coefficient of I _{sc}	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⁾

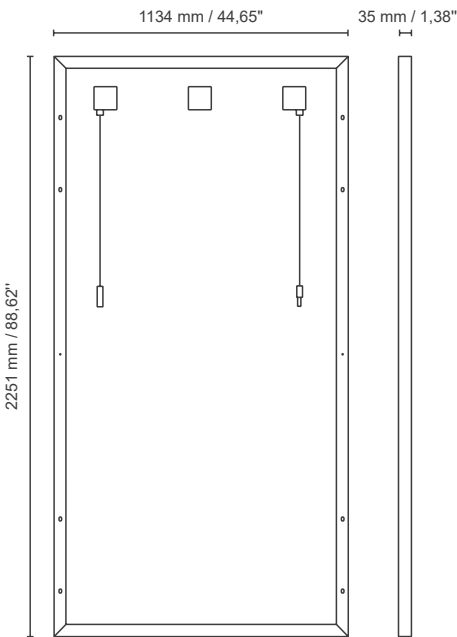
Pallet dimensions	2310 x 1120 x 1260 mm / 90,94 x 44,09 x 49,61"
Pieces per pallet	31
Weight	842 kg / 1856,91 lbs

4. Pallets can be stacked up to two

Certifications

Reaction to fire	Class 1 (UNI 9177), B-s1, d0 (EN 13501-1), B _{ROOF} (t1) (EN 13501-5)
Product Certificate	IEC 61215-1, IEC 61215-1-1, IEC 61215-2, IEC 61730-1, IEC 61730-2
RoHS – Directive 2011/65/EU	EN 62321

Dimensions



Current/Voltage Characteristics

