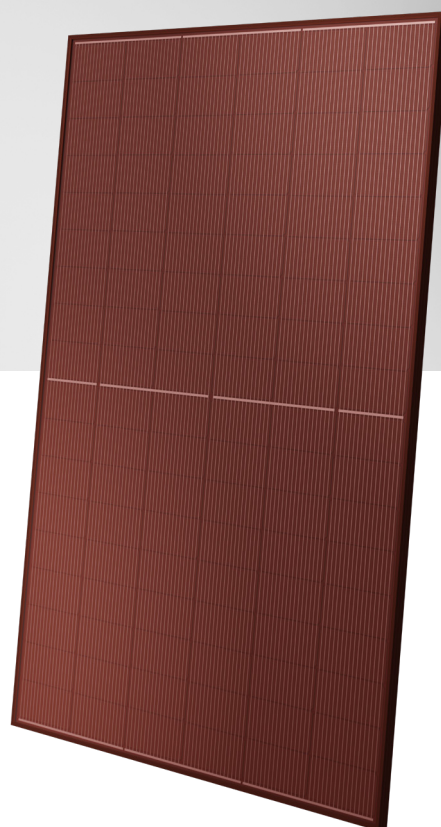


OR10H400MN (FR)

OR Series – 400 W

108 cells

MONO M10 HALF | N-TYPE



Extra-EU module

Manufactured in **our production factory**



Red Line module

Perfect environmental integration
in areas subject to landscape constraints



TOPCon monofacial technology



Anti-reflective glass

Maximum efficiency and high performance



Class of reaction to fire

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



Compact and sturdy frame

Anchorable also on the short side ⁽⁵⁾
Red (RAL 8015)



RoHS compliance

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



Colored glass

Treatment of pigmented nanoparticles,
red coloring



30 years

Linear power warranty

25 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 (Pmax) ⁽²⁾	400 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	32,29 V
Current at Pmax (Imp)	12,40 A
Open Circuit Voltage (Voc) ⁽²⁾	38,02 V
Short Circuit Current (Isc) ⁽²⁾	13,33 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	20,48%
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	108 M10 HALF monocrystalline N-TYPE
Solar Cells Size	182 x 91 mm / 7,16 x 3,58"
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	Red (RAL 8015)
Backsheet finishing	Black
Backsheet finishing	Red (treatment of pigmented nanoparticles)
Diodes	3 Bypass diodes
Junction Box	IP68 rated
Connector	MC4 or compatible connector
Cables Lenght	1200 mm / 47,24"
Cables Section	4,0 mm² / 0,006 in²
Dimensions	1722 x 1134 x 30 mm / 67,79 x 44,64 x 1,18"
Weight	19,9 kg / 43,9 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⁾

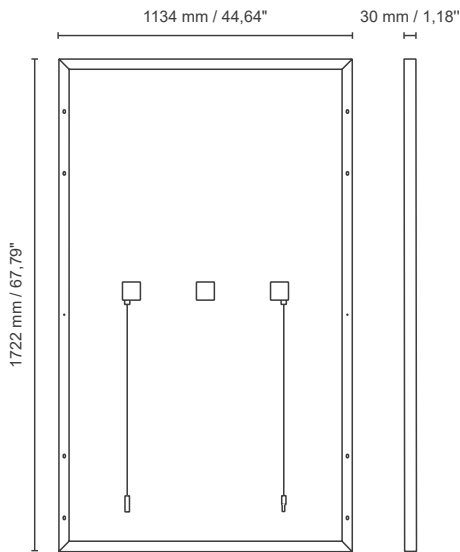
Pallet dimensions	1750 x 1130 x 1265 mm / 68,9 x 44,5 x 49,8"
Pieces per pallet	37
Weight	764 kg / 1684,3 lbs

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

