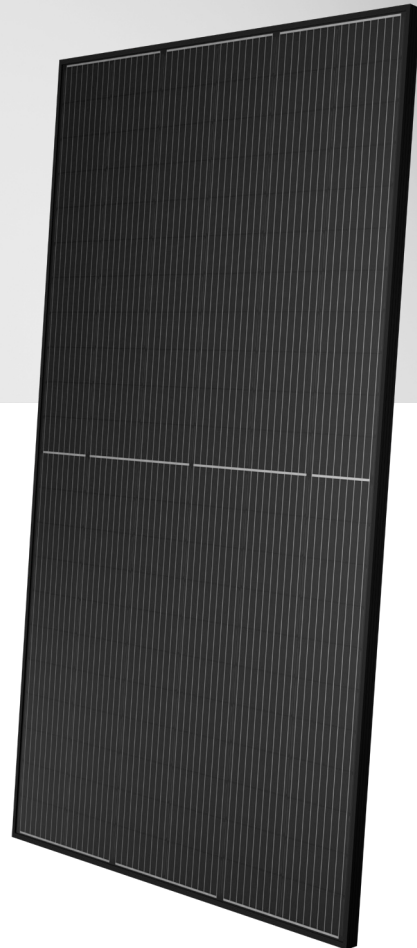


# OR10H500M (FB)

OR Series – 500 W

132 cells

MONO M10 HALF | PERC



#### Extra-EU 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>



#### PID free

Consistent long-term performance



#### Class of reaction to fire

Class 1 (UNI 9177),  
B-s1, d0 (EN 13501-1)  
B<sub>ROOF</sub>(t1) (EN 13501-5)



#### 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.

# OR10H500M (FB)

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

Nominal Output (Pmax) <sup>(2)</sup>	500 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	37,41 V
Current at Pmax (Imp)	13,37 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	45,43 V
Short Circuit Current (Isc) <sup>(2)</sup>	13,85 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	21,06%
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	132 M10 HALF monocrystalline PERC
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 (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	2094 x 1134 x 30/35 mm / 82,44 x 44,65 x 1,18/1,38"
Weight	25 Kg / 55,12 lbs
Max Load (Test Load) - SF	5400 Pa - 1,5 (5)

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 800W/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

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

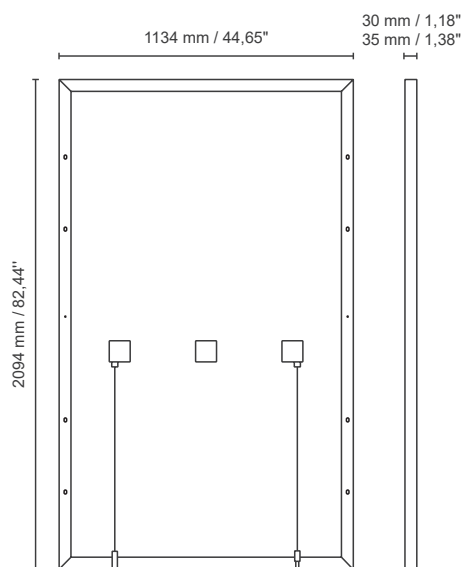
Pallet dimensions	2130 x 1120 x 1260 mm / 83,85 x 44,09 x 49,61"
Pieces per pallet	31 / 36
Weight	802 kg / 1768,11 lbs (31 pieces per pallet) 927 kg / 2043,69 lbs (36 pieces per pallet)

4. Pallets can be stacked up to two

## Certifications

Reaction to Fire	Class 1 (UNI 9177), B-s1, d0 (EN 13501-1), B <sub>ROOF</sub> (t1) (EN 13501-5)
Product Certificate	IEC 61215-1, IEC 61215-1-1, IEC 61215-2, IEC 61730-1, IEC 61730-2
PID free	TUV PPP 58042B:2015 - IEC 62804-1:2015
Salt mist	IEC 61701:2011
Dust and Sand	TUV PPP 59022B:2021 - IEC 60068-2-68:1994

## Dimensions



## Current/Voltage Characteristics

