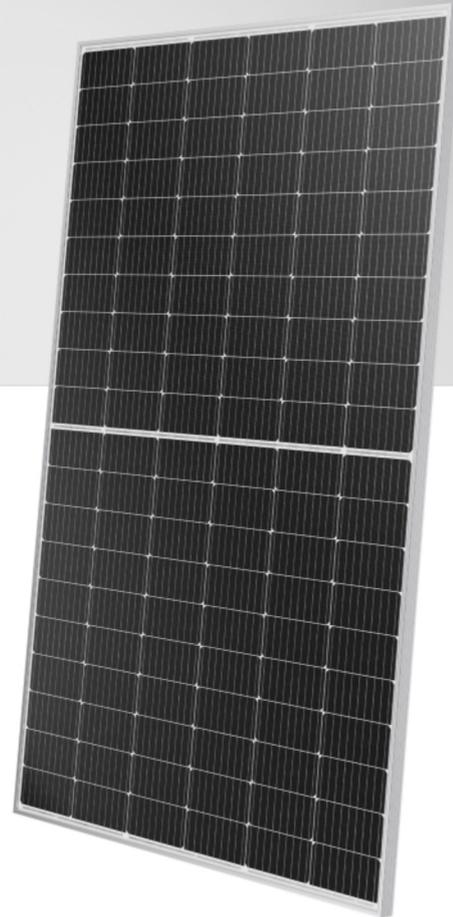


# OR10H460M SE460M

OR Series – 460 W

120 cells  
MONO M10 HALF | PERC



**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



Module fire performance:

**Class 1**



**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.

# OR10H460M-SE460M

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

Nominal Output (Pmax) <sup>(2)</sup>	460 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	34,89 V
Current at Pmax (Imp)	13,19 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	41,78 V
Short Circuit Current (Isc) <sup>(2)</sup>	13,63 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	21,32%
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	120 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	Silver
Backsheet finishing	White
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 <sup>2</sup> / 0,006 in <sup>2</sup>
Dimensions	1903 x 1134 x 30 mm / 74,92 x 44,64 x 1,18"
Weight	24 kg / 52,91 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>

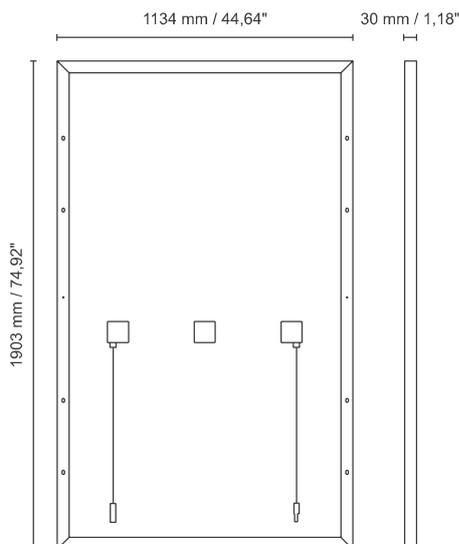
Pallet dimensions	1935 x 1120 x 1260 mm / 76,18 x 44,09 x 49,61"
Pieces per pallet	36
Weight	880 kg / 1940,07 lbs

4. Pallets can be stacked up to two

## Certifications

Fire Resistance Rating	Class of reaction to fire 1 (UNI 9177)
PID free	IEC TS 62804-1:2015
Salt mist	IEC 61701:2011
Ammonia	IEC 62716:2013
Product Certificate	IEC 61215-1, IEC 61215-1-1, IEC 61215-2, IEC 61730-1, IEC 61730-2

## Dimensions



## Current/Voltage Characteristics

