

## OR6H450M

### HALF CELL LINE

● "MADE EXTRA EU" MODULE

The 144 Half Cut module of the Import Line combines the high production efficiency of the half cell technology with an excellent quality / price ratio.

The half-cell configuration improves the electrical distribution inside the panel to increase the yield of the product. For these reasons, the Half Cell Line is suitable not only for industrial installations but also for residential and commercial installations.



**30** YEAR LINEAR POWER WARRANTY

**20** YEAR PRODUCT WARRANTY



**PERC** TECHNOLOGY



**PID FREE**



MODULE FIRE PERFORMANCE: **CLASS 1**



**ANTI-REFLECTIVE GLASS**



**QBE INSURANCE**  
Product Liability Insurance QBE

### CELLS



144 CELLS  
MONO 6BB / 9BB M6 HALF | **PERC**

166x83 mm / 6.54x3.27"

### FRAME



COMPACT AND STURDY | **35 / 40mm**

ANCHORABLE ALSO ON THE SHORT SIDE <sup>(5)</sup>

## ELECTRICAL CHARACTERISTICS (STC) <sup>(1)</sup>

Nominal Output (Pmax) <sup>(2)</sup>	
Sorting Tolerance	
Voltage at Pmax (Vmp)	
Current at Pmax (Imp)	
Open Circuit Voltage (Voc) <sup>(2)</sup>	
Short Circuit Current (Isc) <sup>(2)</sup>	
Maximum System Voltage	
Maximum Series Fuse Rating	
Module Efficiency	
Protection class against electric shock	

## OR6H450M

450 W
0/+5 W
42.17 V
10.67 A
49.93 V
11.49 A
1500 V
20 A
20.70%
Class II

## MECHANICAL CHARACTERISTICS

Solar Cells	144 M6 HALF monocrystalline <b>PERC</b>
Solar Cells Size	166x83 mm / 6.54x3.27"
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	2094 x 1038 x 35/40 mm / 82.44 x 40.87 x 1.38/1.57"
Weight	23.6 kg / 52.03 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 <sup>(5)</sup>

## TEMPERATURE CHARACTERISTICS

NMOT <sup>(3)</sup>	45±2 °C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.042 %/°C
Operating Temperature	-40 °C ~ +85°C

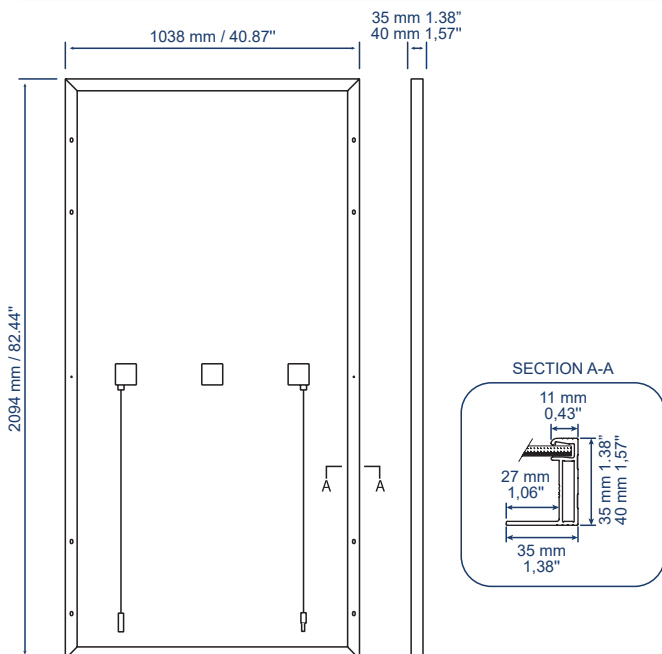
## PACKAGING <sup>(4)</sup>

Pallet dimensions	2140x1200x1200 mm / 84.25x47.24x47.24"
Pieces per pallet	31 (35mm panels) / 27 (40mm panels)
Weight	768 kg / 1693.15 lbs (35mm panels) 674 kg / 1485.92 lbs (40mm panels)

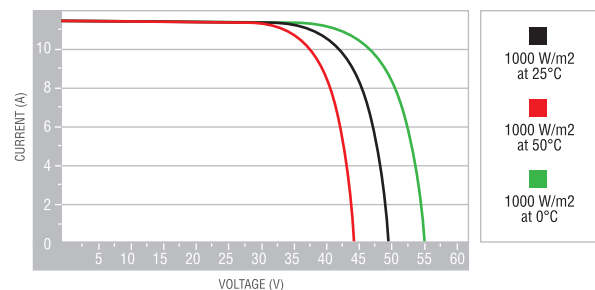
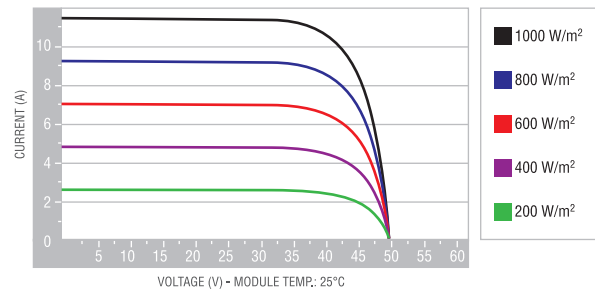
## CERTIFICATIONS

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

## DIMENSIONS



## CURRENT/VOLTAGE CHARACTERISTICS



1. STC: (Standard Test Condition) Irradiance 1000W/m<sup>2</sup>; Module Temperature 25°C; Air Mass 1.5
2. Pmax, Voc, Isc measurement tolerance: ±3%
3. NMOT: Nominal Module Operating Temperature; Irradiance 800W/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

4. Pallets can be stacked up to two
5. Consult the installation manual for the relative mounting configurations