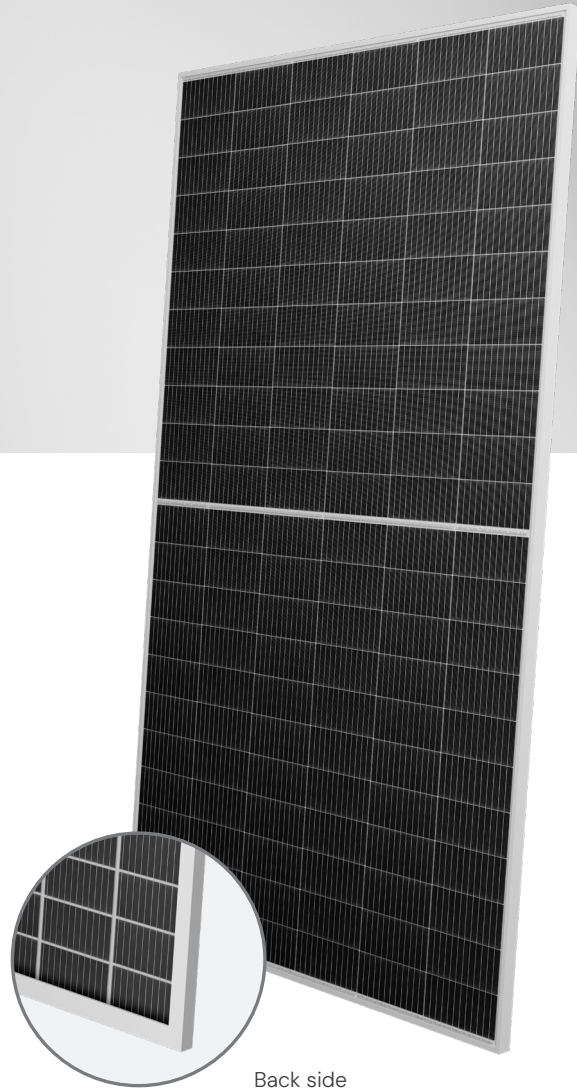


# OR12H715MNDB

OR Series – 715 W

132 cells

MONO M12 HALF | N-TYPE



#### Extra-EU module

Manufactured in our production factory



#### TOPCon bifacial technology



#### Anti-reflective double glass

Maximum efficiency and high performance



#### Compact and sturdy frame

Anchorable also on the short side <sup>(4)</sup>



#### 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.

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

Nominal Output (Pmax) <sup>(2)</sup>	715 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	41,06 V
Current at Pmax (Imp)	17,41 A
Open Circuit Voltage (Voc) <sup>(2)</sup>	48,98 V
Short Circuit Current (Isc) <sup>(2)</sup>	18,27 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	35 A
Module Efficiency	23,02%
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%

## Electrical Characteristics with rear side power gain

Pmax gain	5%	10%	15%	20%	25%
Nominal Output (Pmax)	751 W	786 W	822 W	858 W	894 W
Voltage at Pmax (Vmp)	41,06 V	41,06 V	41,06 V	41,06 V	41,06 V
Current at Pmax (Imp)	18,28 A	19,15 A	20,02 A	20,89 A	21,76 A
Open Circuit Voltage (Voc)	48,98 V	48,98 V	48,98 V	48,98 V	48,98 V
Short Circuit Current (Isc)	19,18 A	20,10 A	21,01 A	21,92 A	22,84 A

## Mechanical Characteristics

Solar Cells	132 M12 HALF monocrystalline <b>N-TYPE</b>
Solar Cells Size	210 x 105 mm / 8,27 x 4,13"
Front Cover	2,0 mm / 0,08" thick, low iron tempered glass
Back Cover	2,0 mm / 0,08" thick, low iron tempered glass
Encapsulant	EVA / POE
Frame	Anodized aluminium alloy, double wall
Frame finishing	Silver
Diodes	3 Bypass diodes serviceable
Junction Box	IP68 rated
Connector	MC4 or compatible connector
Cables Length	1400 mm / 55,12"
Cables Section	4,0 mm <sup>2</sup> / 0,006 in <sup>2</sup>
Dimensions	2384 x 1303 x 33/35 mm / 93,86 x 51,3 x 1,30/1,38"
Weight	36,8 kg / 81,13 lbs (33 mm) 38,6 kg / 85,1 lbs (35 mm)
Max Load (Test Load) - SF	5400 Pa - 1,5 <sup>(4)</sup>

4. 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

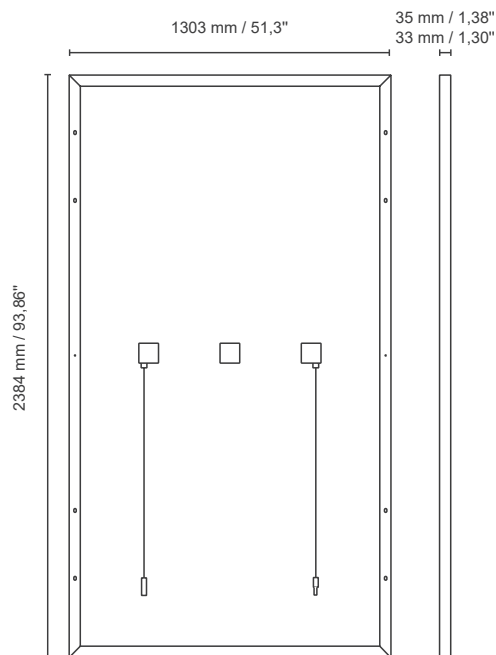
## Packaging

Pallet dimensions	Pieces per pallet - Weight
1348 x 1135 x 2524 mm / 53,1 x 44,68 x 99,4"	33 (33 mm) - 1243 kg / 2740,4 lbs
1348 x 1135 x 2524 mm / 53,1 x 44,68 x 99,4"	31 (35 mm) - 1323,2 kg / 2917,6 lbs

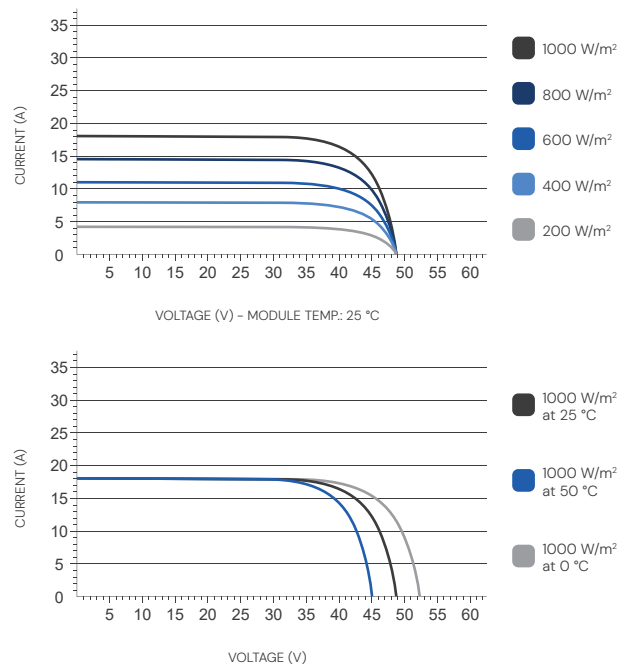
## Certifications

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	IEC TS 62804-1:2015
Salt mist	IEC 61701:2020
Ammonia	IEC 62716:2013
Dust and Sand	IEC 60068-2-68:1994

## Dimensions



## Current/Voltage Characteristics



CUI:RO17366414 - RC:J2005000752229

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