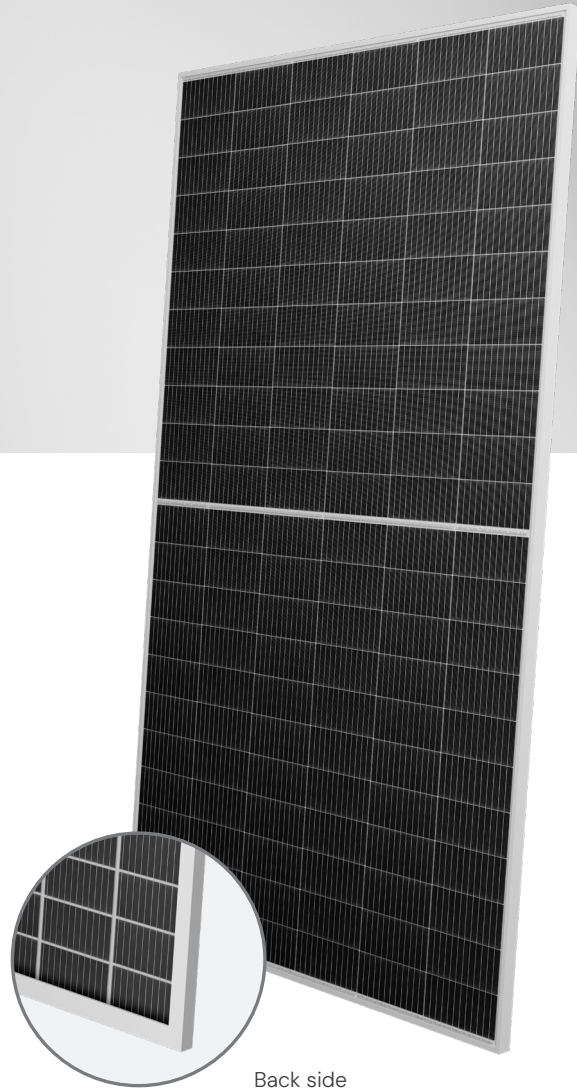


OR12H715MNDB

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 ⁽⁴⁾



Class of reaction to fire

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

Nominal Output (Pmax) ⁽²⁾	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) ⁽²⁾	48,98 V
Short Circuit Current (Isc) ⁽²⁾	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/m²; Module Temperature 25 °C; Air Mass 1,5

2. Pmax, Voc, Isc measurement tolerance: ±3%

Electrical Characteristics with rear side power gain

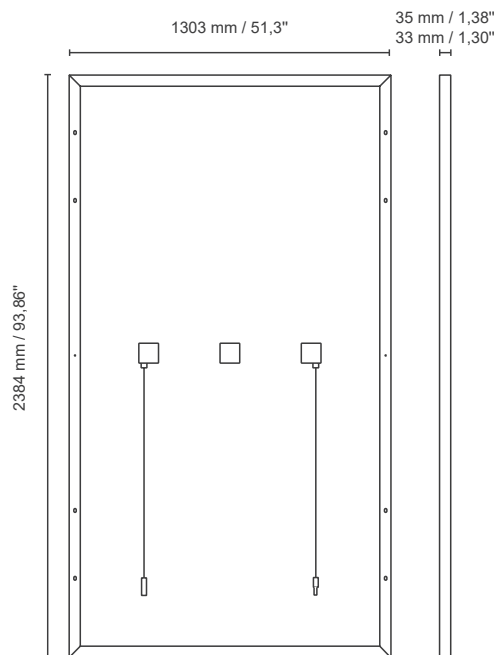
Pmax gain	5%	10%	15%	20%	25%
Nominal Output (Pmax)	751 W	786 W	822 W	858 W	894 W
Voltage at Pmax (Vmp)	41,06 V	41,06 V	41,06 V	41,06 V	41,06 V
Current at Pmax (Imp)	18,28 A	19,15 A	20,02 A	20,89 A	21,76 A
Open Circuit Voltage (Voc)	48,98 V	48,98 V	48,98 V	48,98 V	48,98 V
Short Circuit Current (Isc)	19,18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

Mechanical Characteristics

Solar Cells	132 M12 HALF monocrystalline N-TYPE
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 ² / 0,006 in ²
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 ⁽⁴⁾

4. Consult the installation manual for the relative mounting configurations

Dimensions



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

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 _{ROOF} (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

Current/Voltage Characteristics

