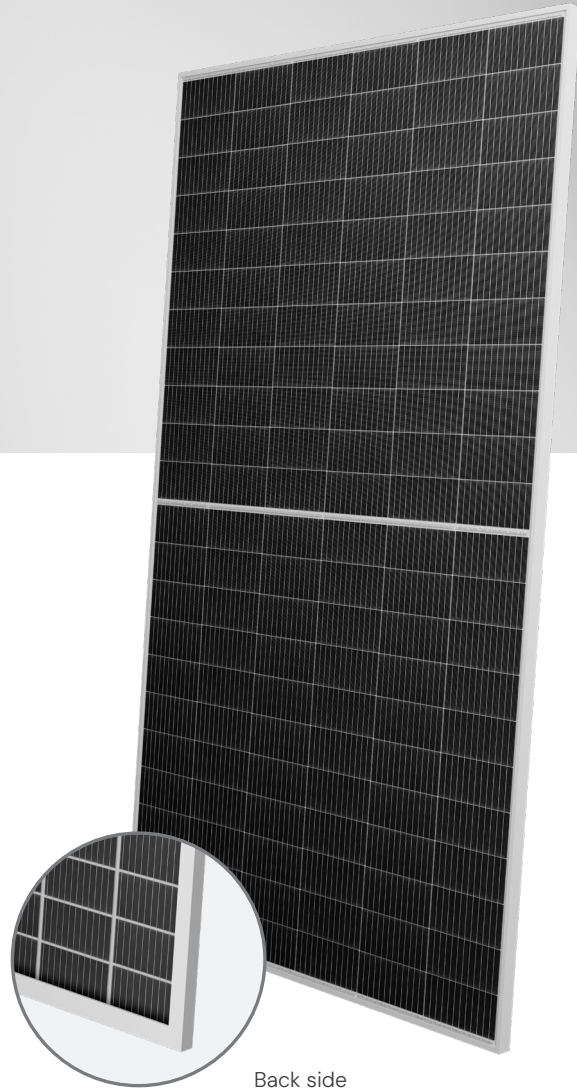


OR12H725MNDB

OR Series – 725 W

132 cells

MONO M12 HALF | N-TYPE



Back side



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⁾ | 725 W |
| Sorting Tolerance | 0/+5 W |
| Voltage at Pmax (Vmp) | 41,36 V |
| Current at Pmax (Imp) | 17,53 A |
| Open Circuit Voltage (Voc) ⁽²⁾ | 49,28 V |
| Short Circuit Current (Isc) ⁽²⁾ | 18,41 A |
| Maximum System Voltage | 1500 V |
| Maximum Series Fuse Rating | 35 A |
| Module Efficiency | 23,34% |
| 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) | 761 W | 798 W | 834 W | 870 W | 906 W |
| Voltage at Pmax (Vmp) | 41,36 V | 41,36 V | 41,36 V | 41,36 V | 41,36 V |
| Current at Pmax (Imp) | 18,41 A | 19,28 A | 20,16 A | 21,04 A | 21,91 A |
| Open Circuit Voltage (Voc) | 49,28 V | 49,28 V | 49,28 V | 49,28 V | 49,28 V |
| Short Circuit Current (Isc) | 19,33 A | 20,25 A | 21,17 A | 22,09 A | 23,01 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 mm / 93,86 x 51,3 x 1,30" |
| Weight | 36,8 kg / 81,13 lbs |
| Max Load (Test Load) - SF | 5400 Pa - 1,5 ⁽⁴⁾ |

4. Consult the installation manual for the relative mounting configurations

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

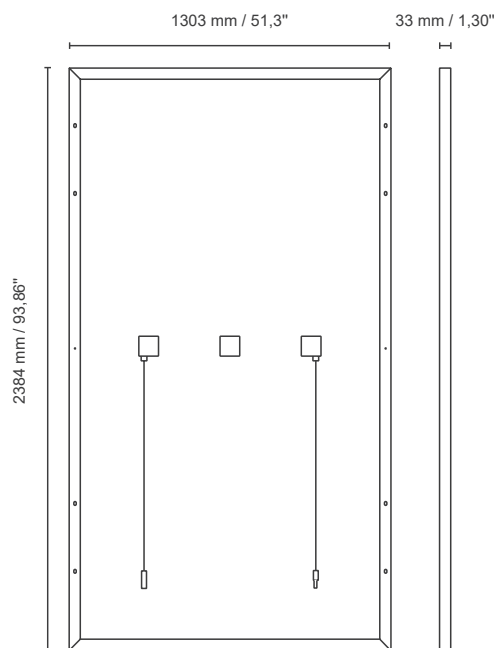
Packaging

| Pallet dimensions | Pieces per pallet - Weight |
|--|----------------------------|
| 1348 x 1135 x 2524 mm / 53,1 x 44,68 x 99,4" | 33 - 1243 kg / 2740,4 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 |

Dimensions



Current/Voltage Characteristics

