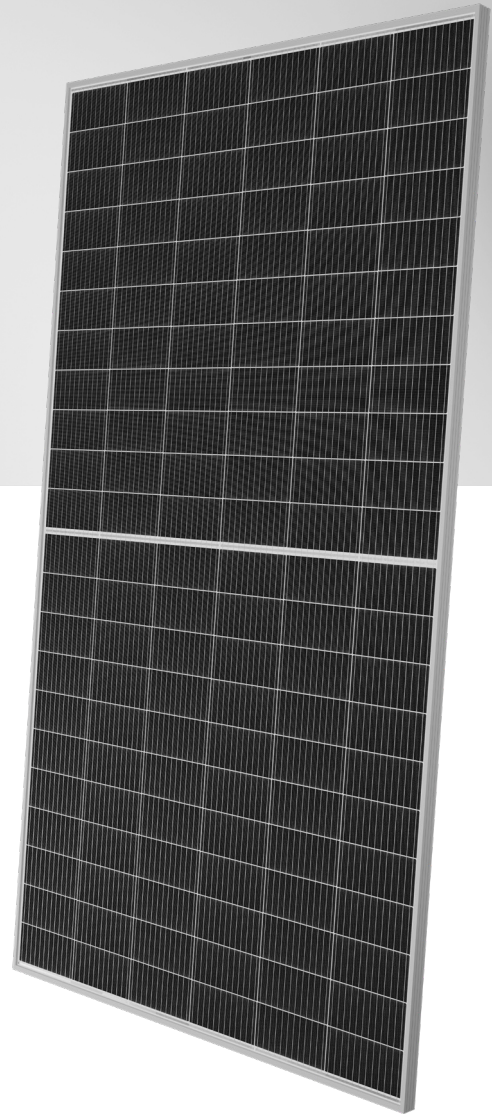


OR12H670M

OR Series – 670 W

132 cells

MONO M12 HALF | PERC



Extra-EU module

Manufactured in our production factory



PERC monofacial technology



Anti-reflective 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⁾ | 670 W |
| Sorting Tolerance | 0/+5 W |
| Voltage at Pmax (Vmp) | 38,92 V |
| Current at Pmax (Imp) | 17,21 A |
| Open Circuit Voltage (Voc) ⁽²⁾ | 46,38 V |
| Short Circuit Current (Isc) ⁽²⁾ | 18,08 A |
| Maximum System Voltage | 1500 V |
| Maximum Series Fuse Rating | 30 A |
| Module Efficiency | 21,57% |
| 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%

Mechanical Characteristics

| | |
|---------------------------|---|
| Solar Cells | 132 M12 HALF monocrystalline PERC |
| Solar Cells Size | 210 x 105 mm / 8,27 x 4,13" |
| 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 | IP68 rated |
| Connector | MC4 or compatible connector |
| Cables Length | 1300 mm / 51,18" |
| Cables Section | 4,0 mm ² / 0,006 in ² |
| Dimensions | 2384 x 1303 x 35 mm / 93,86 x 51,30 x 1,38" |
| Weight | 33,8 kg / 74,52 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

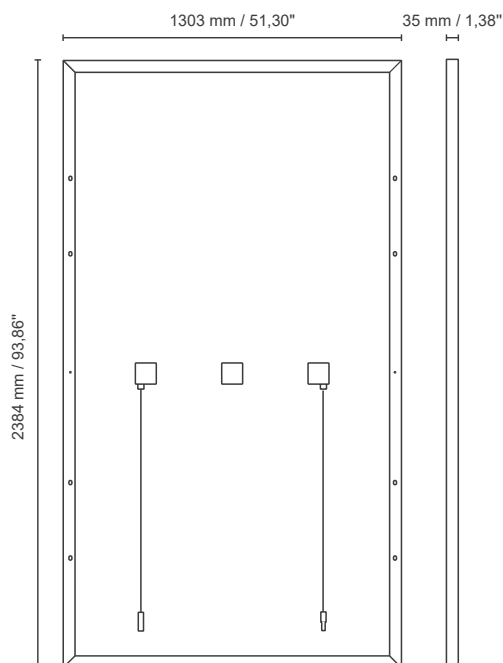
Packaging

| | |
|-------------------|--|
| Pallet dimensions | 2415 x 1330 x 1260 mm / 95,07 x 52,36 x 49,61" |
| Pieces per pallet | 31 |
| Weight | 1100 kg / 2425,08 lbs |

Certifications

| | |
|---------------------|--|
| Reaction to Fire | Class 1 (UNI 9177), B-s1, d0 (EN 13501-1), B _{RO} (t1) (EN 13501-5) |
| Product Certificate | IEC 61215-1, IEC 61215-1-1, IEC 61215-2, IEC 61730-1, IEC 61730-2 |

Dimensions



Current/Voltage Characteristics

