

OR12H670M

HALF CELL LINE



HALF-CELL MODULE

The 132 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

25 YEAR PRODUCT WARRANTY



PERC TECHNOLOGY



MODULE FIRE PERFORMANCE: **CLASS 1**



ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

Cells



132 CELLS
MONO 12BB M12 HALF | PERC

210 x 105 mm / 8.27 x 4.13"

Frame



COMPACT AND STURDY | 35 mm

ANCHORABLE ALSO ON
THE SHORT SIDE ⁽⁴⁾

Electrical Characteristics (STC) ⁽¹⁾

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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

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	IP67 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⁾

Temperature Characteristics

NMOT ⁽³⁾	44±2 °C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.30 %/°C
Temperature Coefficient of Isc	0.046 %/°C
Operating Temperature	-40 °C - +85°C

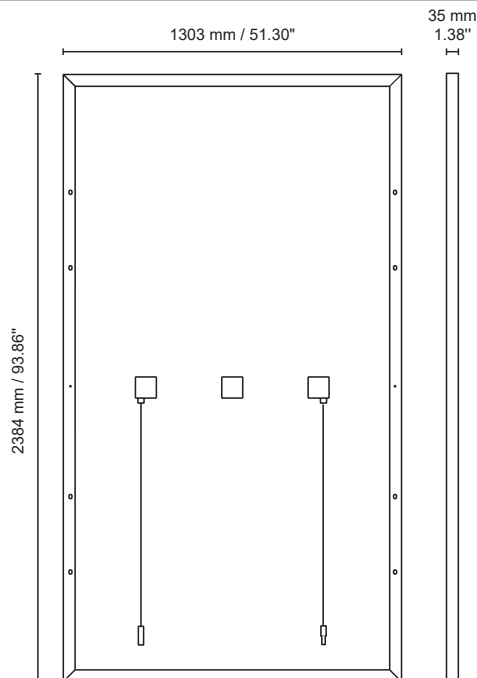
Packaging

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

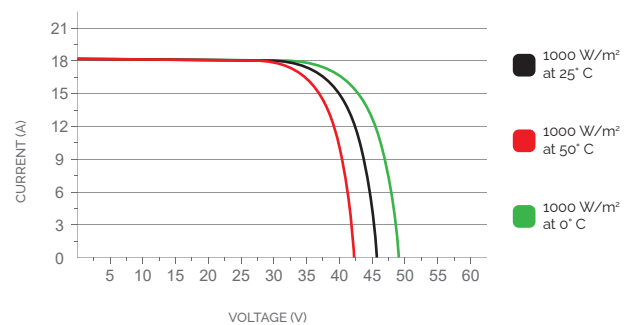
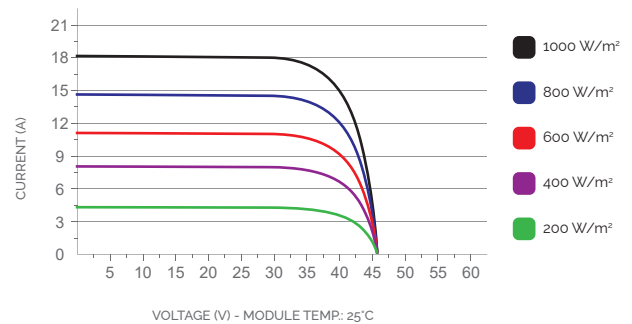
Certifications

Fire Resistance Rating	Class of reaction to fire 1 (UNI g177)
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Dimensions



Current/Voltage Characteristics



1. STC: (Standard Test Condition) Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

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

3. NMOT: Nominal Module Operating Temperature: Irradiance 800W/m², Air 20°C, Wind speed 1m/s

4. Consult the installation manual for the relative mounting configurations