

OR10H440MN (BF)

OR SERIES

The 108-cell module ensures high production efficiency combined with an excellent quality/price ratio.

The optimized cell configuration guarantees better electrical distribution within the panel, thus increasing the overall performance of the product.

Ideal for industrial, residential, and commercial installations.

30 YEAR LINEAR POWER WARRANTY

25 YEAR PRODUCT WARRANTY



TOPCon MONOFACIAL TECHNOLOGY



ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

Cells



108 CELLS
MONO 16BB M10 HALF | N-TYPE

182 x 91 mm / 7.16 x 3.58"

Frame



COMPACT AND STURDY | 30 mm

ANCHORABLE ALSO ON
THE SHORT SIDE ⁽³⁾

Electrical Characteristics (STC) ⁽¹⁾

OR10H440MN (BF)

Nominal Output (Pmax) ⁽²⁾	440 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	33.48 V
Current at Pmax (Imp)	13.15 A
Open Circuit Voltage (Voc) ⁽²⁾	39.03 V
Short Circuit Current (Isc) ⁽²⁾	13.73 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	22.53%
Protection class against electric shock	Class II

Mechanical Characteristics

Solar Cells	108 M10 HALF monocrystalline N-TYPE
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	Black
Backsheet finishing	White
Diodes	3 Bypass diodes serviceable
Junction Box	IP68 rated
Connector	MC4 or compatible connector
Cables Length	1200 mm / 47.24"
Cables Section	4.0 mm ² / 0.006 in ²
Dimensions	1722 x 1134 x 30 mm / 67.79 x 44.64 x 1.18"
Weight	22 Kg / 48.5 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 ⁽⁵⁾

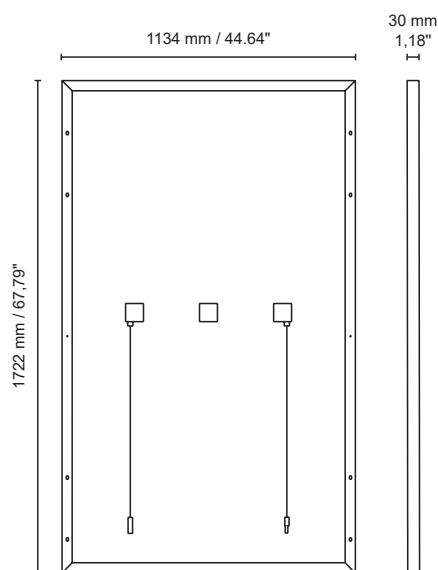
Temperature Characteristics

NMOT ⁽³⁾	43±2 °C
Temperature Coefficient of Pmax	-0.30 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.04 %/°C
Operating Temperature	-40 °C - +85°C

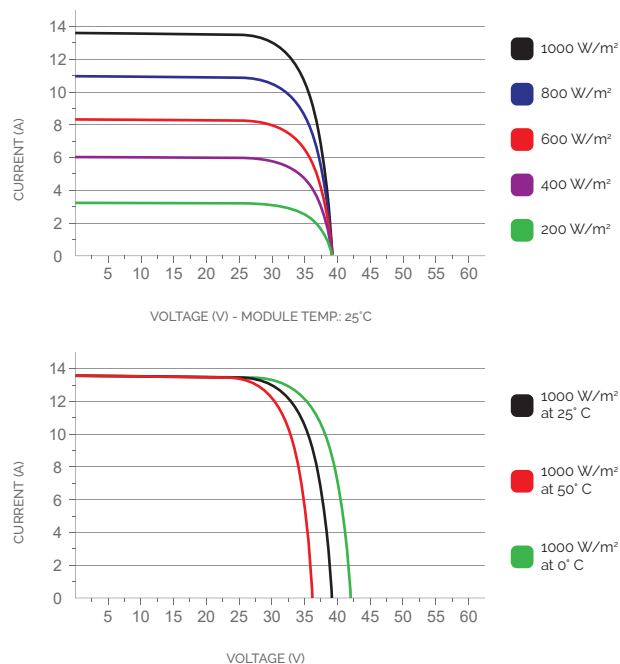
Packaging ⁽⁴⁾

Pallet dimensions	1765 x 1120 x 1275 mm / 69.49 x 44.09 x 50.20"
Pieces per pallet	36
Weight	926 kg / 2041.48 lbs

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. Pallets can be stacked up to two
 5. Consult the installation manual for the relative mounting configurations