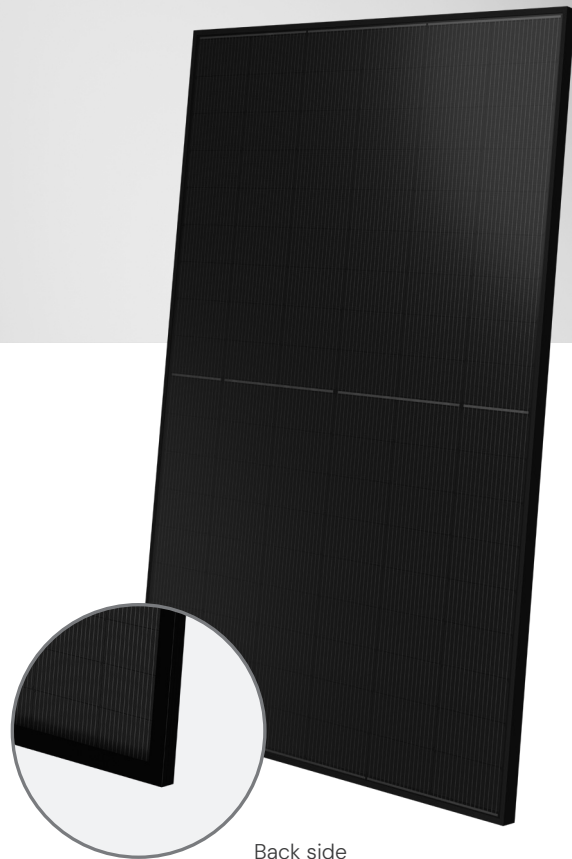


OR10H425MNDB (FB)

OR Series – 425 W

108 cells
MONO M10 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 ⁽⁵⁾



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.

OR10H425MNDB (FB)

Electrical Characteristics (STC) ⁽¹⁾

Nominal Output (Pmax) ⁽²⁾	425 W
Sorting Tolerance	0/+5 W
Voltage at Pmax (Vmp)	32,66 V
Current at Pmax (Imp)	13,01 A
Open Circuit Voltage (Voc) ⁽²⁾	38,34 V
Short Circuit Current (Isc) ⁽²⁾	13,95 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	30 A
Module Efficiency	21,76%
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)	446 W	467 W	489 W	510 W	531 W
Voltage at Pmax (Vmp)	32,66 V	32,66 V	32,66 V	32,66 V	32,66 V
Current at Pmax (Imp)	13,66 A	14,31 A	14,96 A	15,61 A	16,26 A
Open Circuit Voltage (Voc)	38,34 V	38,34 V	38,34 V	38,34 V	38,34 V
Short Circuit Current (Isc)	14,65 A	15,35 A	16,04 A	16,74 A	17,44 A

Caratteristiche Meccaniche

Celle	108 M10 HALF monocrystalline N-TYPE
Dimensioni Cella	182 x 91 mm / 7,16 x 3,58"
Cover Frontale	2,0 mm / 0,08" thick, low iron tempered glass
Cover Posteriore	2,0 mm / 0,08" thick, low iron tempered glass
Incapsulante	EVA / POE
Cornice	Anodized aluminium alloy, double wall
Finitura Cornice	Black
Diodi	3 Bypass diodes serviceable
Junction Box	IP68 rated
Connettori	MC4 or compatible connector
Lunghezza Cavi	1100 mm / 43,30"
Sezione Cavi	4,0 mm ² / 0,006 in ²
Dimensioni	1722 x 1134 x 30 mm / 67,79 x 44,64 x 1,18"
Peso	23,24 kg / 51,2 lbs
Carico Max (Carico di prova) - SF	5400 Pa - 1,5 ⁽⁵⁾

5. Consultare il manuale d'installazione per le relative configurazioni di montaggio

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 ⁽⁴⁾

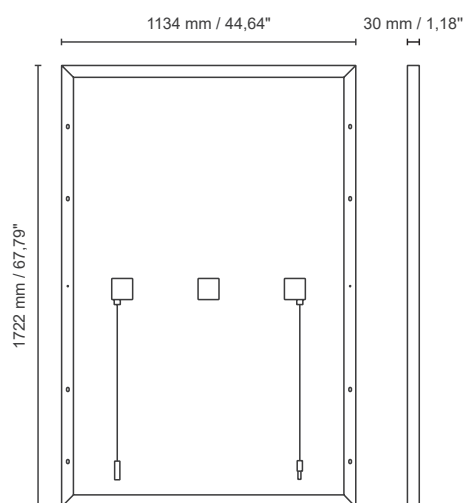
Dimensione pallet	1750 x 1130 x 1265 mm / 68,9 x 44,5 x 49,8"
Pannelli per pallet	36
Peso	864 kg / 1904,8 lbs

4. I bancali possono essere sovrapposti massimo a due

Certifications

Reaction to fire	Class 1 (UNI 9177), B-s1, d0 (EN 13501-1), B _{ROD} (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

