

# DR10H550MB

DR Series – 550 W

144 cells

MONO M10 HALF | PERC



**PERC bifacial technology**



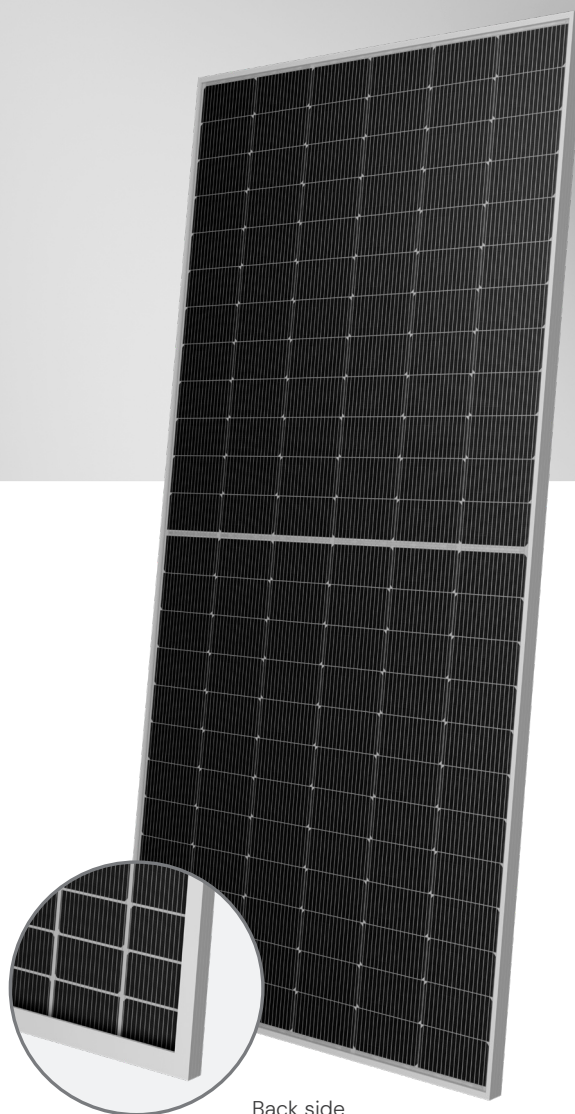
**Anti-reflective glass**

Maximum efficiency and high performance



**Compact and sturdy frame**

Anchorable also on the short side <sup>(5)</sup>



Back side



**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 (STC) <sup>(1)</sup>

|                                            |          |
|--------------------------------------------|----------|
| Nominal Output (Pmax) <sup>(2)</sup>       | 550 W    |
| Sorting Tolerance                          | 0/+5 W   |
| Voltage at Pmax (Vmp)                      | 40,90 V  |
| Current at Pmax (Imp)                      | 13,45 A  |
| Open Circuit Voltage (Voc) <sup>(2)</sup>  | 49,62 V  |
| Short Circuit Current (Isc) <sup>(2)</sup> | 14,03 A  |
| Maximum System Voltage                     | 1500 V   |
| Maximum Series Fuse Rating                 | 30 A     |
| Module Efficiency                          | 21,28%   |
| 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               | 144 M10 HALF monocrystalline <b>PERC</b>      |
| Solar Cells Size          | 182 x 91 mm / 7,16 x 3,58"                    |
| Front Cover               | 3,2 mm / 0,13" thick, low iron tempered glass |
| Back Cover                | Transparent backsheet                         |
| Encapsulant               | EVA (Ethylene vinyl acetate)                  |
| Frame                     | Anodized aluminium alloy, double wall         |
| Frame finishing           | Silver                                        |
| Backsheet finishing       | Transparent                                   |
| Diodes                    | 3 Bypass diodes serviceable                   |
| Junction Box              | IP68 rated                                    |
| Connector                 | MC4 or compatible connector                   |
| Cables Lenght             | 1200 mm / 47,24"                              |
| Cables Section            | 4,0 mm² / 0,006 in²                           |
| Dimensions                | 2279 x 1134 x 35 mm / 89,72 x 44,65 x 1,38"   |
| Weight                    | 29 kg / 63,93 lbs                             |
| Max Load (Test Load) – SF | 5400 Pa – 1,5 <sup>(5)</sup>                  |

5. Consult the installation manual for the relative mounting configurations

Temperature Characteristics

|                                 |                 |
|---------------------------------|-----------------|
| NMOT <sup>(3)</sup>             | 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 <sup>(4)</sup>

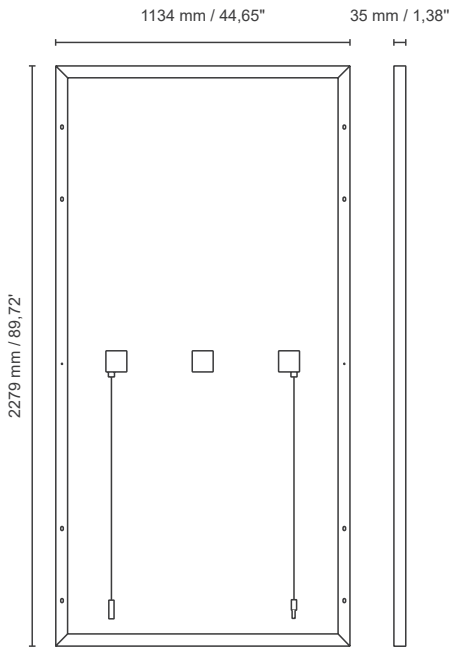
|                   |                                                |
|-------------------|------------------------------------------------|
| Pallet dimensions | 2310 x 1130 x 1270 mm / 90,94 x 44,49 x 50,00" |
| Pieces per pallet | 31                                             |
| Weight            | 933 kg / 2056,91 lbs                           |

4. Pallets can be stacked up to two

Certifications

|                         |          |
|-------------------------|----------|
| Fire Performance Rating | Type 4   |
| Product Certificate     | UL 61730 |

Dimensions



Current/Voltage Characteristics

