




**540-560 W
Perc**

-  **182 mm mono half cell**
-  **2.279 x 1.134 mm**
-  **27.3 kg**

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones | Dimensions: 2279*1134mm

Max. Voltaje | Max. system Voltage (V): 1000/1500

Peso | Weight: 27.3 kg

No máximo. de series | Max. Series Fuse Rating (A): 25

Cable: 4 mm²

Carga mecánica | Mechanical load: 2400 / 5400Pa

Celdas | Cells : 182*91 Mono 144(6*24)

Conector | Connector: QC 4.10-351/MC4-EVO2A

No de diodos | No of diodes: 3

Clase | Safety class: Class II

Caja de conexiones | Junction box: IP68

Warranty | Garantía

25

Years | Años
Product
Producto

30

Years | Años
Linear power
Rendimiento lineal

1
TIER

Bloomberg
NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

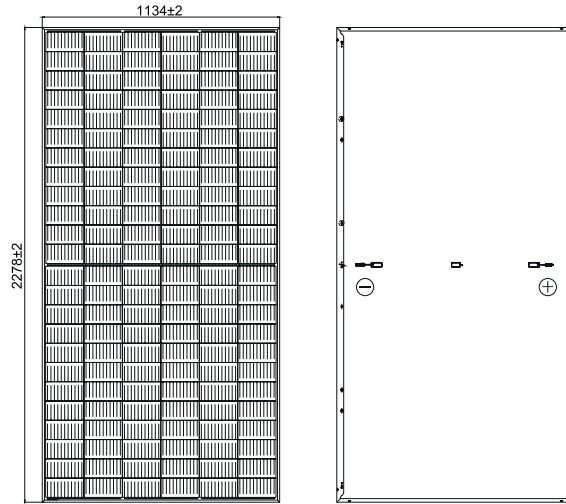
CERTIFIED
IEC
61215 Ed.2

 **Anti-PID**
System voltage durability
PPP 56042

 MCS

 CE

 INMETRO



TIPO TYPE

EX540MB(144)182

EX545MB(144)182

EX550MB(144)182

EX555MB(144)182

EX560MB(144)182

STC: Irradiance 1000W/m², Cell Temperature 25, Air Mass 1.5

| | | | | | |
|--|-------|-------|---------|-------|-------|
| Potencia de salida Power output | 540 | 545 | 550 | 555 | 560 |
| Potencia tolerada Power tolerance (W) | | | (0, +5) | | |
| Eficiencia módulo Module efficiency (%) | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 |
| Voltage Máximo voltage, VMP (V) | 41.46 | 41.80 | 41.96 | 42.11 | 42.27 |
| Intensidad máxima actual Current, IMP (A) | 12.97 | 13.04 | 13.11 | 13.18 | 13.25 |
| Voltaje circ. abierto Voltage open circuit, VOC (V) | 49.60 | 49.75 | 49.90 | 50.02 | 50.15 |
| Intensidad de cortocircuito Short circuit current, ISC (A) | 13.86 | 13.93 | 14.00 | 14.07 | 14.14 |

NOCT : Irradiance 800W/m², Ambient Temperature 20, Air Mass1.5, Wind Speed 1m/s

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Potencia de salida Power output | 408 | 412 | 416 | 420 | 424 |
| Voltage Máximo voltage, VMP (V) | 38.99 | 39.20 | 39.43 | 39.66 | 39.85 |
| Intensidad máxima actual Current, IMP (A) | 10.47 | 10.51 | 10.55 | 10.59 | 10.64 |
| Voltaje circ. abierto Voltage open circuit, VOC (V) | 46.43 | 46.55 | 46.68 | 46.85 | 46.99 |
| Intensidad de cortocircuito Short circuit current, ISC (A) | 11.09 | 11.13 | 11.17 | 11.21 | 11.26 |

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

| | |
|---|------------|
| Coefficiente de temp. Temp. Coefficient (P _{MAX}) | -0.350%/°C |
| Coefficiente de temp. Temp. Coefficient (ISC) | 0.045%/°C |
| Coefficiente de temp. Temp. Coefficient (VOC) | -0.275%/°C |
| Temp. de funcionamiento Operating Temperature | -40~+85°C |
| NOCT | 43±2°C |

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & power Voltage Curve (550)

