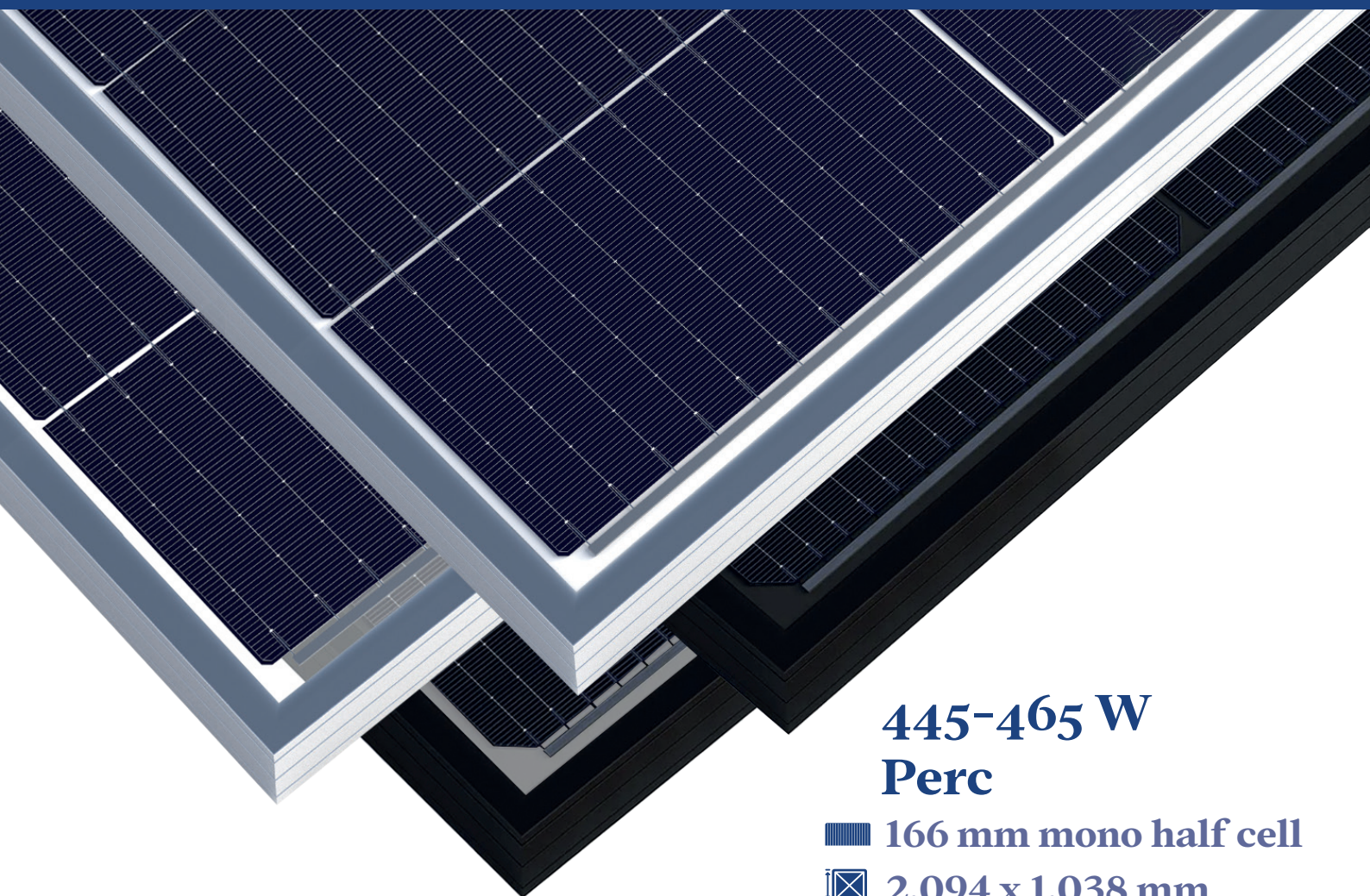




**445-465 W
Perc**

 **166 mm mono half cell**

 **2.094 x 1.038 mm**

 **25 kg**

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones | Dimensions: 2094*1038

Max. voltaje | Max. system voltage: 1500V

Peso | Weight: 25 kg

No máximo. de series | Series fuse rating: 20 A

Cable: 4.0mm²

Carga mecánica | Mechanical load: 5400Pa/2400Pa

Cristal | Glass: High Transmittance Glass 3.2mm

Conector: Connector: Compatible with MC 4 plug

Caja de conexiones | Junction box: IP68, 3 Bypass-Diode

Aplicación clase | Application class: A

Celdas | Cells: 144(6*24) - Mono 83x166 mm

Warranty | Garantía

25

Years | Años
Product
Producto

30

Years | Años
Linear power
Rendimiento lineal

1
TIER

Bloomberg
NEW ENERGY FINANCE

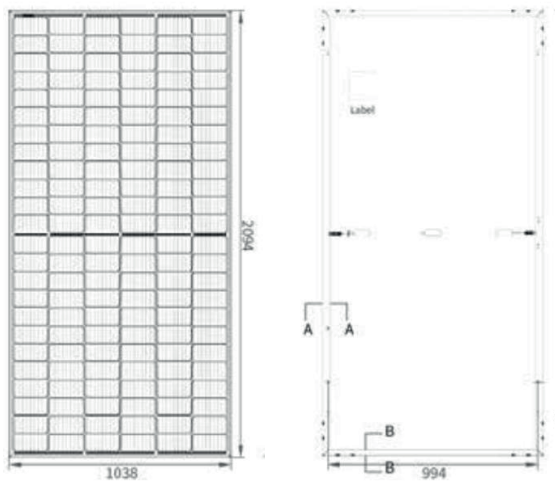
CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2



Anti-PID
System voltage durability
PPP 56042





TIPO TYPE	EX445M(144)166	EX450M(144)166	EX455M(144)166	EX460M(144)166	EX465M(144)166
STC: Irradiance 1000W/m², Cell Temperature 25, Air Mass 1.5					
Potencia de salida Power output	445	450	455	460	465
Potencia tolerada Power tolerance (W)	(0, +5)				
Eficiencia módulo Module efficiency (%)	20.5	20.7	20.9	21.2	21.5
Voltage Máximo voltage, VMP (V)	41.2	41.4	41.6	41.8	42.0
Intensidad máxima actual Current, IMP (A)	10.82	10.87	10.94	11.01	11.08
Voltaje circ. abierto Voltage open circuit, VOC (V)	49.8	50.0	50.2	50.4	50.6
Intensidad de cortocircuito Short circuit current, ISC (A)	11.37	11.44	11.51	11.58	11.65
NOCT : Irradiance 800W/m², Ambient Temperature 20, Air Mass1.5, Wind Speed 1m/s					
Potencia de salida Power output	335.43	339.50	343.59	347.70	351.80
Voltage Máximo voltage, VMP (V)	38.6	38.8	39.0	39.2	39.4
Intensidad máxima actual Current, IMP (A)	8.69	8.75	8.81	8.87	8.93
Voltaje circ. abierto Voltage open circuit, VOC (V)	46.4	46.6	46.8	47.0	47.2
Intensidad de cortocircuito Short circuit current, ISC (A)	9.22	9.28	9.34	9.40	9.46
COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS					
Coeficiente de temp. Temp. Coefficient (P _{MAX})	-0.35%/°C				
Coeficiente de temp. Temp. Coefficient (ISC)	0.048%/°C				
Coeficiente de temp. Temp. Coefficient (VOC)	-0.27%/°C				
Temp. de funcionamiento Operating Temperature	-40~+85°C				
NOCT	41±3°C				

I-V CURVAS CURVES

