

UP TO **22.3%** EFFICIENCY

MINIMAL POWER DEGRADATION  
**93%** OF INITIAL AFTER 25 YEARS

# IBC HALF-CELL

Bigger Dimension and All Black  
CELL N-TYPE

## EX430-440IBC-132(HC)(166)

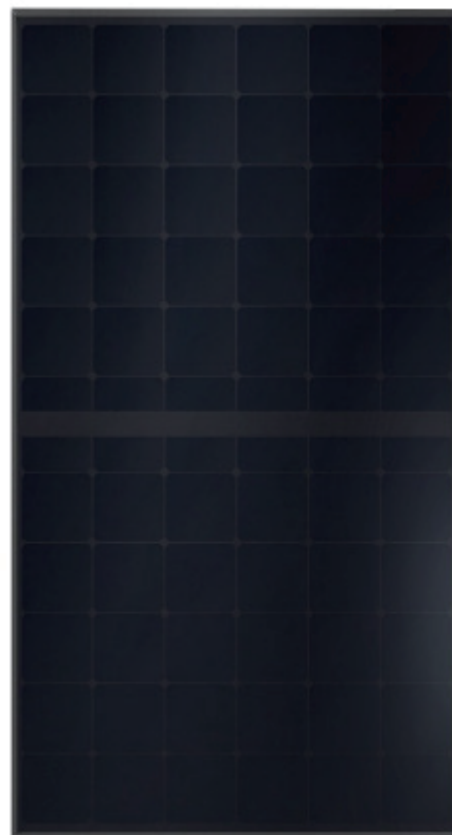


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

La alta eficiencia de nuestras células solares nos permite producir diferentes tipos de paneles para a su vez dar la mayor eficiencia posible a sus instalaciones.

Exiom Solution designs, manufactures and delivers high-performance solar electric technology worldwide.

Our high-efficiency solar cell let us manufacture the different kinds of panels to get the most efficient in your installations.

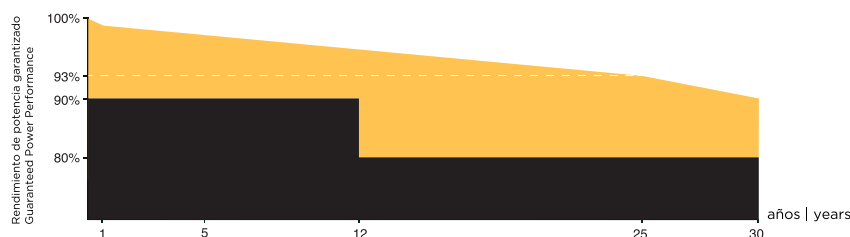


GARANTÍA DE RENDIMIENTO LINEAL

LINEAR PERFORMANCE WARRANTY

Garantía de rendimiento lineal | Lineal performance warranty

Garantía de rendimiento estándar | Standard performance warranty



CERTIFIED  
**IEC**  
61730 Ed.1

CERTIFIED  
**IEC**  
61215 Ed.2



Anti-PID  
System voltage durability  
PPP 56042



## 25 AÑOS GARANTIA DE PRODUCTO / 25 YEARS PRODUCT WARRANTY



Especificaciones sujetas a cambios técnicos y pruebas.  
Exiom Solution se reserva el derecho de la correcta interpretación final.  
Specifications subject to technical changes and tests.  
Exiom Solution reserves the right of final interpretation.

# EX430-440IBC-132(HC)(166)

## PARAMETROS ELÉCTRICOS | ELECTRICAL PARAMETERS

MODULO TIPO   MODULE TYPE	EX430IBC132HC		EX435IBC132HC		EX440IBC132HC	
	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida   Power output	430	324	435	328	440	332
Eficiencia módulo   Module efficiency (%)	21.8		22.1		22.3	
Voltaje de MPPT   MPPT voltage VMP (V)	39.2	36.6	39.4	36.8	39.6	37.0
Corriente de MPPT   MPPT Current, IMP (A)	10.97	8.86	11.04	8.92	11.12	8.89
Tensión circ. abierto   Voltage open circuit, VOC (V)	46.1	44.2	46.2	44.3	46.3	44.4
Corriente de cortocircuito   Short circuit current, ISC (A)	11.86	9.57	11.96	9.65	12.06	9.73

## PARÁMETROS MECÁNICOS | MECHANICAL PARAMETERS

Tipo de celda   Cell Type	NIBC 166x83mm (half-cell)					
Nº de celdas   Nº Cells	132 (6x22)					
Caja de conexión   Junction Box	Ip68 with three bypass diodes					
Cable   Output Cable	4mm <sup>2</sup> , 1200mm with MC4 (length can be customized)					
Cristal   Glass	3.2mm vidrio templado revestido   3.2 coated tempered glass					
Marco   Frame	Marco de aluminio anodizado   Anodized aluminum alloy frame					
Dimensiones   Dimensions	1895*1039*30mm					
Peso   Weight	21.0kg					
Packaging Configuration	36pcs/Pallet (12big pallets+3pcs/carton/big pallet/cnt) 900pcs/40HQ Container					

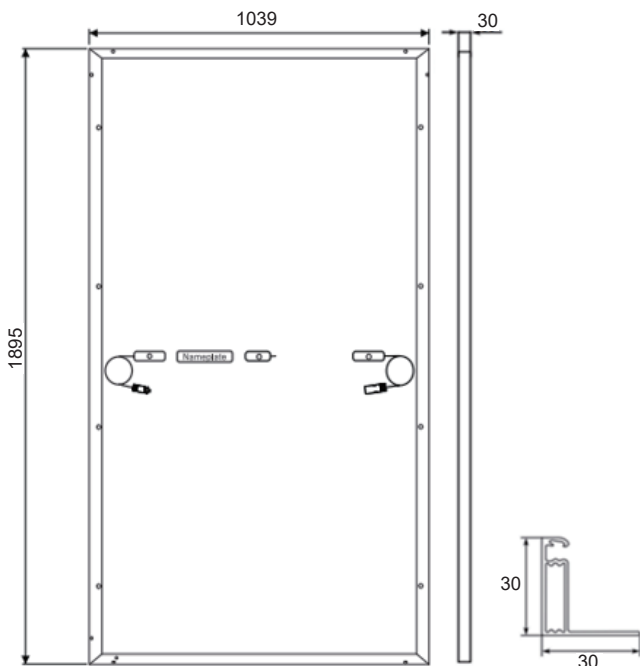
## COEFICIENTES DE TRABAJO | OPERATING CONDITIONS

Max. Voltaje   Max. system Voltage (V)	1500V DC (IEC)
Temp. funcionamiento   Operating temperature (°C)	-40~+85
Nº máximo. de series   Max. Series Fuse Rating (A)	20
Carga mecánica   Mechanical load (Pa)	2400 / 5400

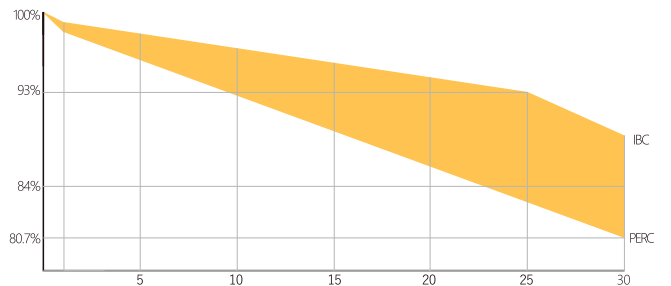
## COEFICIENTES DE TEMPERATURA | TEMPERATURE COEFFICIENTS

Coefficiente de temp.   Temp. Coefficient (P <sub>MAX</sub> )	-0.290%/°C
Coefficiente de temp.   Temp. Coefficient (ISC)	+0.046%/°C
Coefficiente de temp.   Temp. Coefficient (VOC)	-0.246%/°C

## DIMENSIONES | DIMENSIONS



## VALOR ADICIONAL | ADDITIONAL VALUE



## I-V CURVES (420W)

