



SICES SOLAR
SM SERIES

MONO PERC SM-535~545M-144MX



144 9BB MONO HC CELLS



PERC TECNOLOGY



POWER TOLERANCE ~+5W

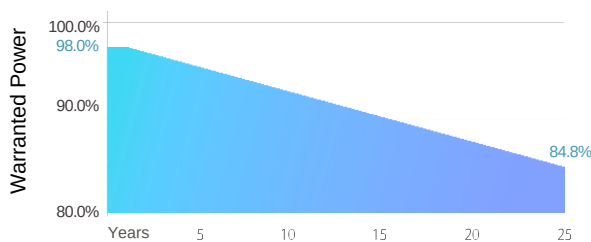


BETTER SHADDING TOLERANCE

Configuration with high-efficiency PERC cells, 10BB half-cell technology allows greater efficiency and less effect of rising shadows energy production.

12 Years
Product
warranty

25 Years
Linear
performance
warranty



Certificates

- UL61730-1:2017
- UL61730-2:2017
- ISO9001:2015 Quality management systems



CSA
GROUP™



SICES
Solar | energía
del futuro

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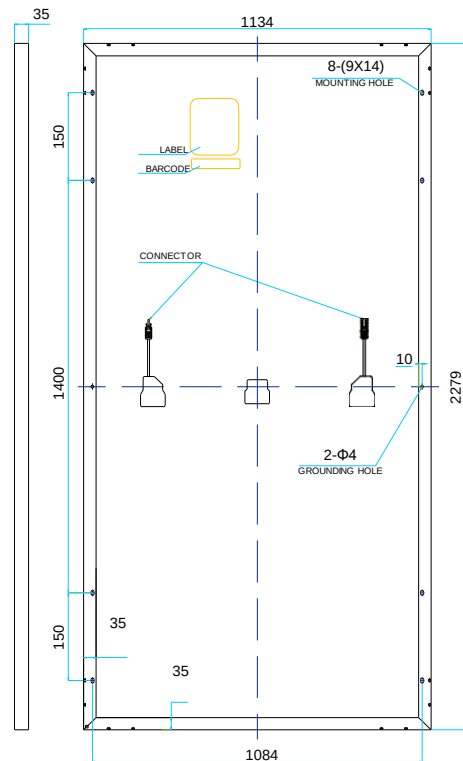
Río Lerma #232, piso 23,
Cuauhtémoc, Ciudad de México,
CDMX 06600

STC ELECTRICAL PARAMETERS

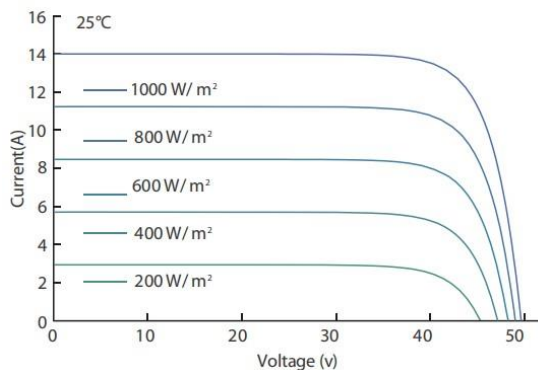
	SM-535M-144MX	SM-540M-144MX	SM-545M-144MX
Max. Power Output Pmax (W)	535	540	545
Open Circuit Voltage Voc (V)	49.31	49.46	49.61
Short Circuit Current Isc (A)	13.79	13.86	13.93
Max. Power Voltage Vmp (V)	41.45	41.61	41.77
Max. Power Current Imp (A)	12.91	12.98	13.05
Module efficiency (%)	20.70	20.89	21.09
Maximum System Voltage (V)	1500	1500	1500
Power Tolerance (W)	~+5	~+5	~+5
Operating Temperature (°C)	-40 ~+85	-40 ~+85	-40 ~+85
Max. Over Current (A)	25.00	25.00	25.00
STC (Standard Test Condition): Irradiance 1000W/m ² , Cell Temperature 25 °C, Air Mass 1.5			

MECHANICAL PARAMETERS

Cell Type	144 (6X24) Mono 182X91mm 10BB
Dimension	2279X1134X35mm
Weight	28.6Kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulated	Glass/EVA/Cells/TPT
Relative Humidity	0 a 100%
Maximum Static Load, Front	5400pa



I-V CURVE



TEMPERATURE COEFFICIENTS

Pmax (γ_{Pmp})	-(0.36±0.05)%/K
Voc (β_{Voc})	-(0.29±0.02)%/K
Isc (γ_{Pmp})	+(0.05±0.005)%/K