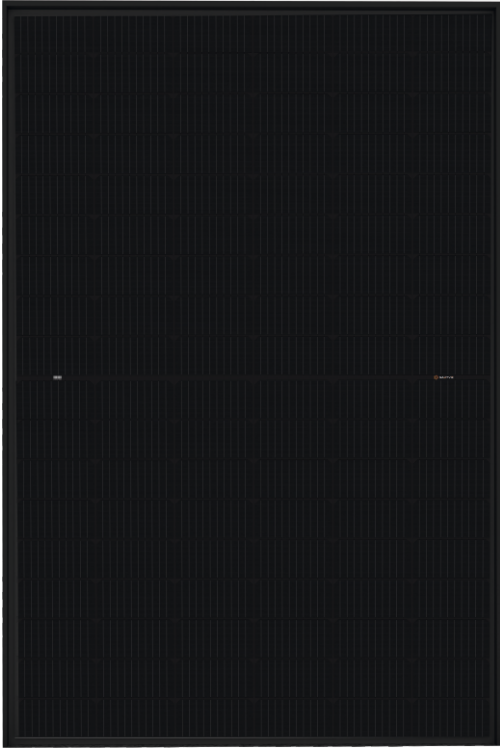


# MONO PERC - 108 CELLS (ALL BLACK)

395Wp - 410Wp

SGE XXX-108 MHCB (XXX-395-410 Wp)



## Key Features



### High Module Conversion Efficiency

Module efficiency up to 20.00% achieved through advanced cell technology and manufacturing process.



### Advanced Technology

MBB- Multi Busbar (10BB) / Halfcut MONOPERC cells /Ga Doped Wafers.



### Positive Tolerance Cell Output

Guaranteed 0~+4.99 Wp positive tolerance to ensure Power output.



### Excellent Weak Light Performance

Advanced glass and surface texturing allow for excellent performance in low-light environment.



### Extended Wind and Snow load Tests

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



### Excellent PID Resistance

Excellent Anti-PID performance guarantee limited power degradation and certified for up-to 288 Hrs.



### Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline, ammonia.



### Rigorous Testing Criteria

100% EL inspection ensuring defect-free modules.



### Current Sorting

To minimize the current mismatch losses to maximizesystem power output.



### Standard

Tested and qualified as per IEC standard.

## Certifications & Standards

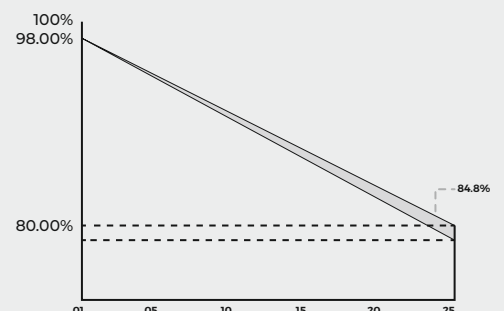
IEC 61215, IEC 61730,  
 IEC 61701, UL 61730 CEC,  
 CEC-Aus, IEC 62716,  
 IEC 62759, IEC 62804, IEC 62782,  
 IEC 60068-2-68, IEC 61853

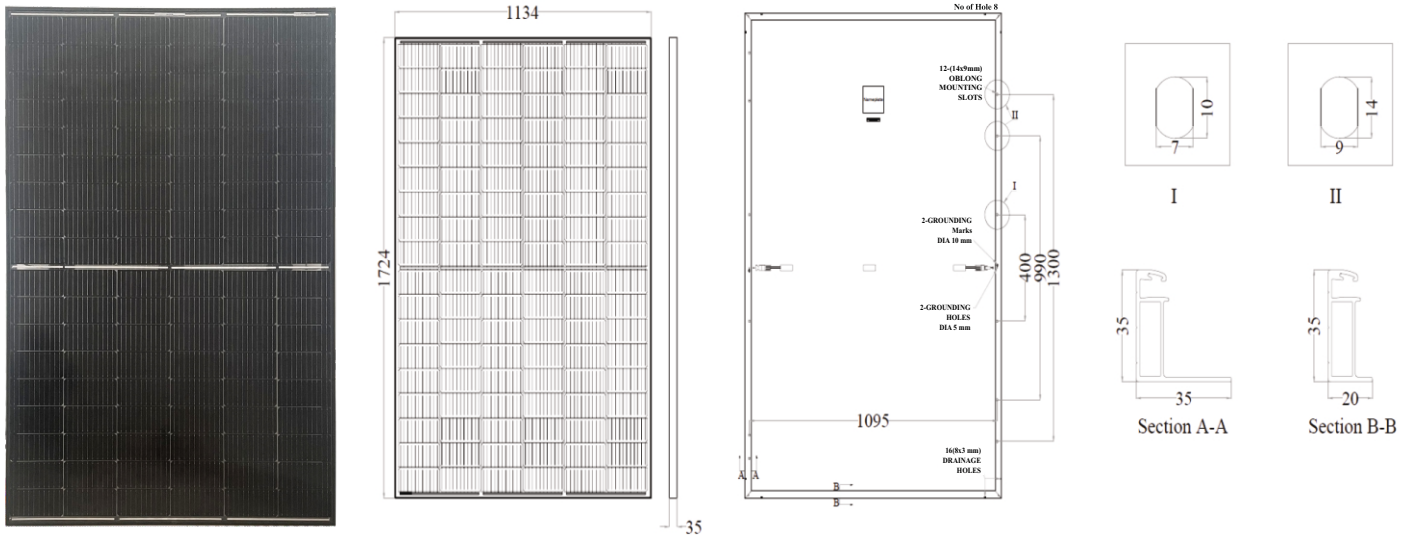
## Certifications



## Linear Performance Warranty

Product Workmanship  
 Warranty 25 years  
 First year Degradation Upto-2%  
 Liner Power output 25 Years:  
 2-25 Annual degradation -0.55%





## ELECTRICAL DATA PERFORMANCE

Conditions	Unit	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Pmax(0 ~+ 4.99)	Wp	395	398	400	302	405	306	410	310
Maximum voltage	Vmpp	30.98	28.59	31.17	28.82	31.40	29.03	31.60	29.26
Maximum current	Imp	12.75	10.44	12.83	10.50	12.90	10.56	12.97	10.62
Open circuit voltage	Voc	37.18	34.61	37.42	24.80	37.67	35.01	37.92	35.15
Short circuit current	Isc	13.39	10.98	13.47	11.03	13.55	11.11	13.62	11.17
<b>Module Efficiency (%)</b>		<b>20.20</b>		<b>20.46</b>		<b>20.71</b>		<b>20.98</b>	
Operating Temperature (°C)	-40°C~+85°C	Temperature coefficients of Isc				0.048%/°C			
Maximum system voltage	1500 VDC	Nominal operating cell temperature (NOCT)				45±2°C			
Maximum series fuse rating	25A	Fire Safety				Class-C			
Power tolerance	0~+3%	Application				Class-A			
Temperature coefficients of Pmax	-0.34%/°C	Safety Class				Class-II			
Temperature coefficients of Voc	-0.28%/°C								

\*\*STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25° C, Am=1.5; NOCT : Irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, Am=1.5, Wind speed 1m/s. Average power reduction of 4.5% at 200 W/m<sup>2</sup> as per IEC 60904-1. Measuring Uncertainty +/- 3%

## MODULE MECHANICAL DATA

### SPECIFICATION DATA

Cell Type	Half Cut-PERC Monocrystalline, 108Cells
Dimensions	1724X1134X35 mm
Weight	21.5 kgs
Front Cover	3.2 mm Tempered Glass
Backsheet	Black Backsheet
Frame Material	Black Anodized Aluminum
J-Box	IP68, 3 diodes
Cable	1200mm, 4mm <sup>2</sup>
Connectors	Mc4 Connector
Container Type	40'HC
No. of Pallet	26
Piece per Pallet	31 Pallet
Total Qty. of Modules	806

PV module: Saatvik Green Energy Pvt. Ltd, SGE405-108MHCB

