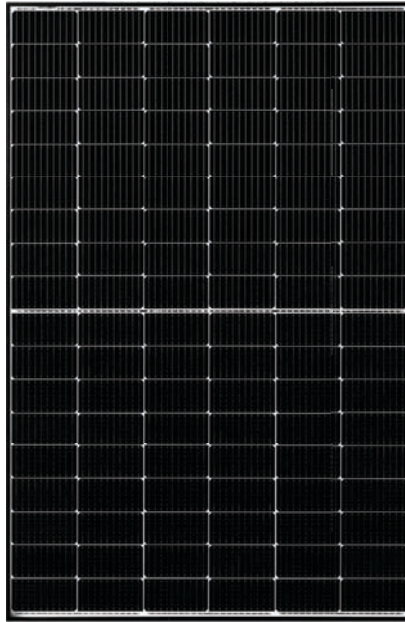


# MONO PERC HALF CELL MODULE

SL5M108  
400-415 Watt



**High Power Density**  
High conversion efficiency per square meter, Lower series resistance and ensure more light harvesting.



**Higher Durability**  
Multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



**Half-cell Design**  
Less energy loss caused by shading, Lower cell connection power loss.



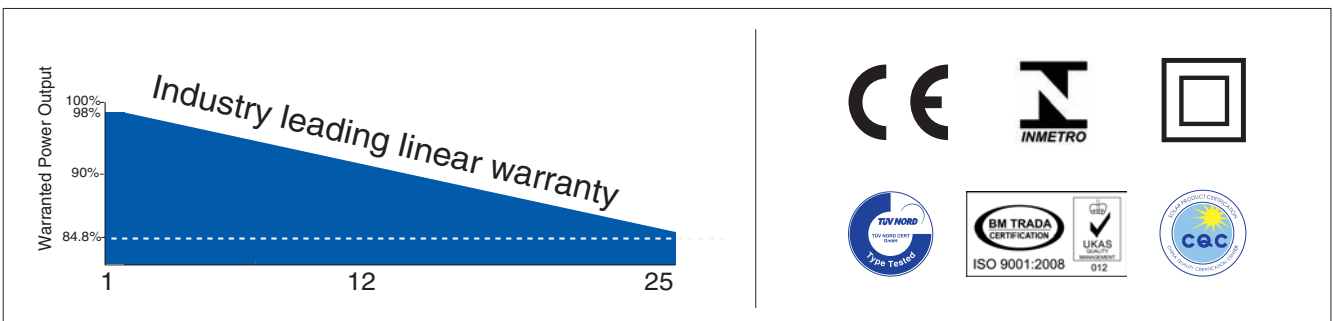
**Heavy Mechanical Load**  
Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa.

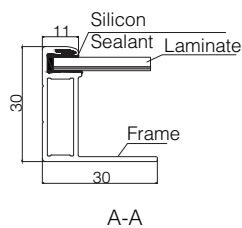
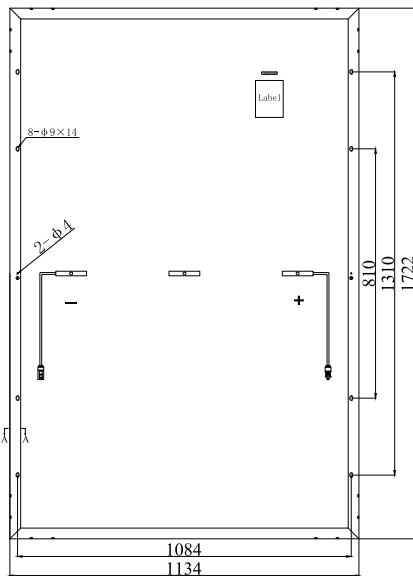


**Anti-PID**  
Advanced cell technology and qualified materials lead to high resistance to PID.

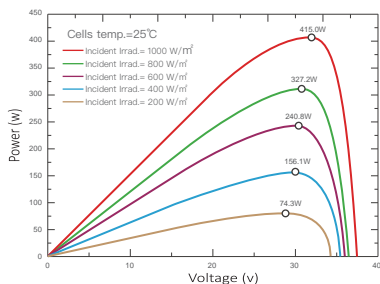
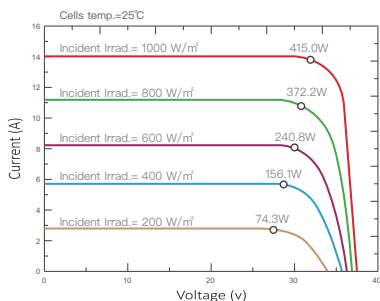


**Harsh Environmental Adaptability**  
Strict salt spray and ammonia corrosion test proven.





Current-Voltage & Power-Voltage Curves (SL5M108)



### ELECTRICAL DATA (STC)

Rated Power In Watts-Pmax (Wp)	400	405	410	415
Maximum Power Voltage-Vmpp (V)	31.01	31.23	31.44	31.66
Maximum Power Current-Impp (A)	12.90	12.97	13.04	13.11
Open Circuit Voltage-Voc (V)	37.05	37.20	37.35	37.50
Short Circuit Current-Isc (A)	13.79	13.86	13.93	14.00
Module Efficiency (%)	20.5%	20.7%	21.0%	21.3%

STC: Irradiation 1000 W/m<sup>2</sup>, Cell Temperature 25 °C, Air Mass AM1.5 according to EN 60904-3.

### ELECTRICAL DATA (NMOT)

Maximum Power-Pmax (Wp)	302	306	310	314
Maximum Power Voltage-Vmpp (V)	28.95	29.23	29.50	29.74
Maximum Power Current-Impp (A)	10.43	10.47	10.51	10.55
Open Circuit Voltage-Voc (V)	30.90	31.19	31.48	31.61
Short Circuit Current-Isc (A)	11.05	11.09	11.13	11.17

NOCT: Irradiation: 800 W/m, ambient temperature: 20, air mass: 1.5, wind speed 1 m/s  
Performance under weak light conditions (200 W/m) EN60904-1, 96.0 % or higher of the STC efficiency (1000 W/m) is achieved.

### MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline, MBB
Cell Configuration	108 cells (6 × 9 × 2)
Module Dimensions	1722 x 1134 x 30 mm
Weight	20.5 kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	White Back-sheet
Frame	Anodized Aluminium Alloy, Black
J-Box	IP68, 3 bypass diodes
Cables	4.0mm <sup>2</sup> , Positive (+) 900mm, Negative (-) 900mm
Connector	MC4 Compatible

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.27% / °C
Temperature Coefficient of Isc	0.048% / °C
Temperature Coefficient of Pmax	-0.35% / °C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A

### PACKAGING CONFIGURATION

	40 FT (HQ)
Number of Modules Per Container	936
Number of Modules Per Pallet	36
Number of Pallets Per Container	26
Packaging Dimensions	1755x 1120 x 1280 mm