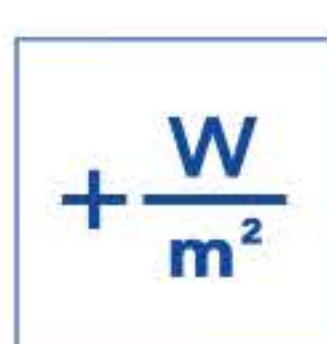
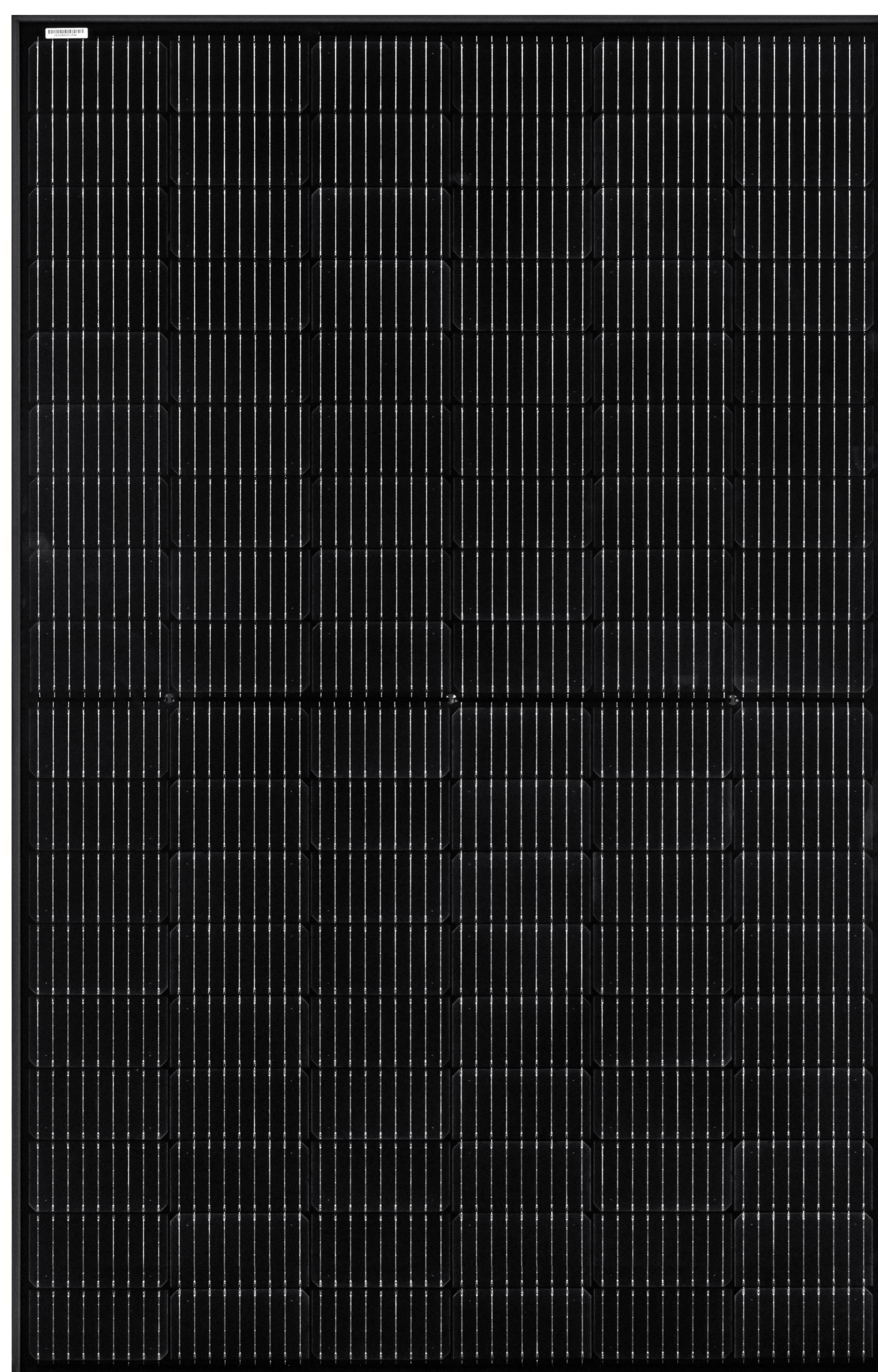


MONO PERC HALF CELL MODULE

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.



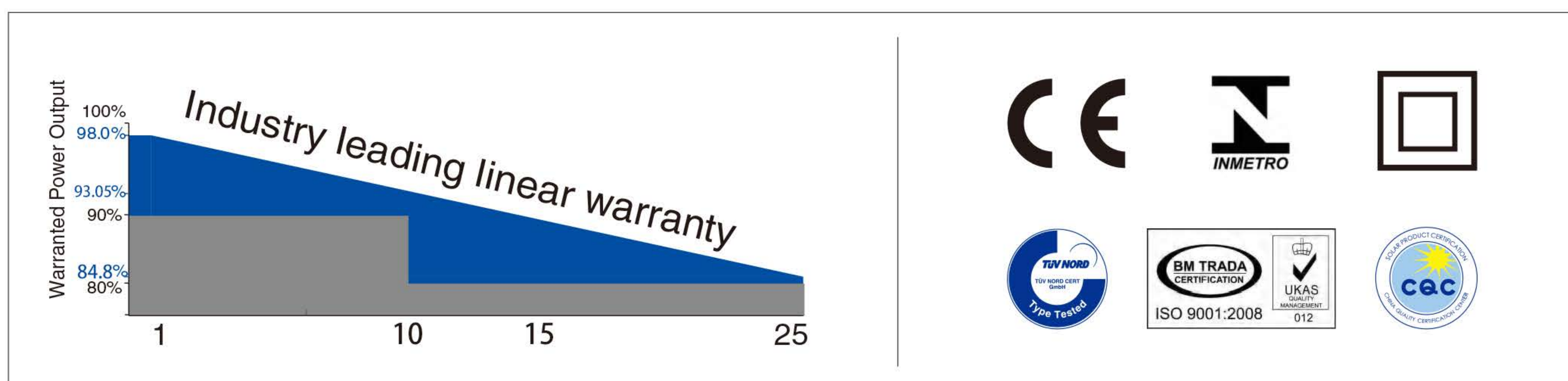
Anti-PID

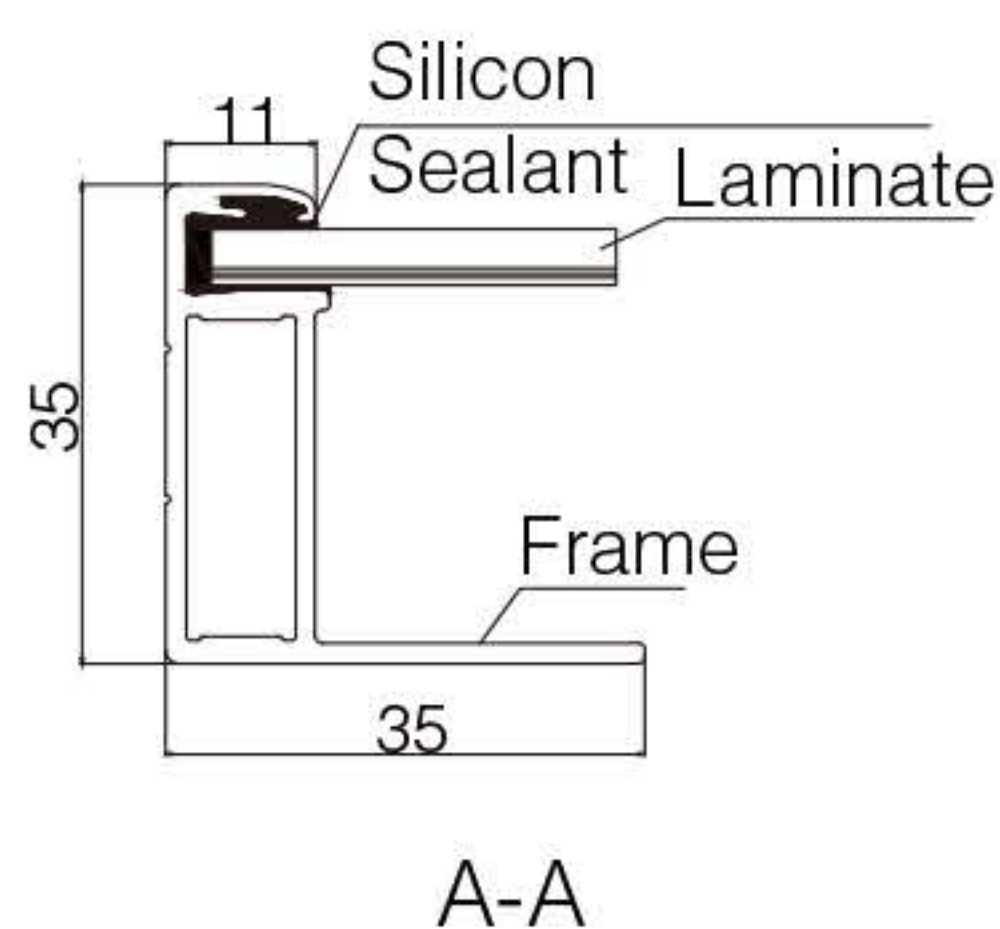
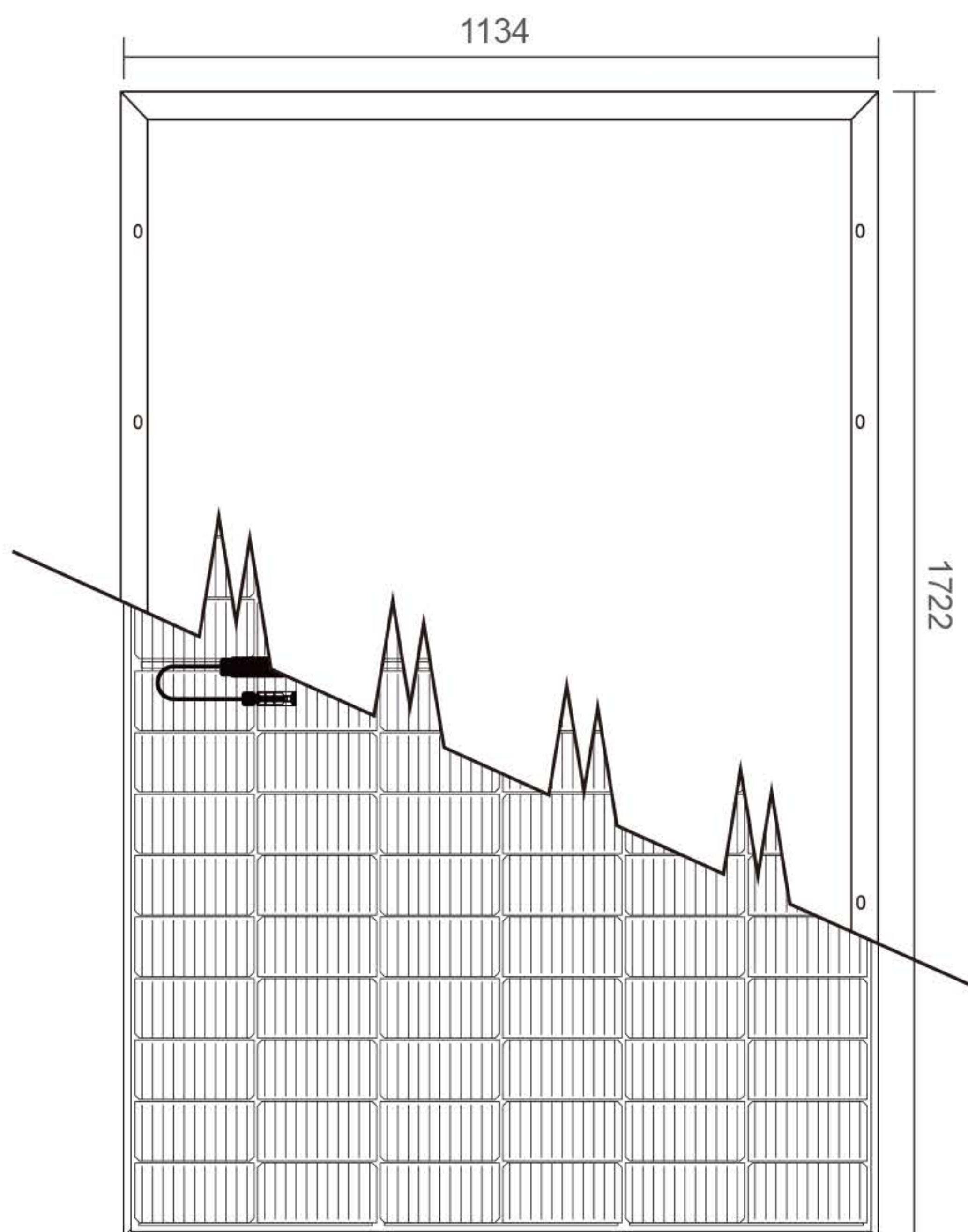
Advanced cell technology and qualified materials lead to high resistance to PID.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test proven.





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-Imp (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/m², 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-Imp (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/m², ambient temperature: 20, air mass: 1.5, wind speed 1 m/s
Performance under weak light conditions (200 W/m²) EN60904-1, 96.0 % or higher of the STC efficiency (1000 W/m²) is achieved.

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline, MBB
Cell Configuration	108 cells (6 × 9 × 2)
Module Dimensions	1722 x 1134 x 35 mm
Weight	21.5 kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver
J-Box	IP68, 3 bypass diodes
Cables	4.0mm ² , Positive (+) 900mm, Negative (-) 900mm
Connector	MC4 Compatible

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C ± 2°C
Temperature Coefficient of Voc	-0.275% / °C
Temperature Coefficient of Isc	0.045% / °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	806
Number of Modules Per Pallet	31
Number of Pallets Per Container	26

Current-Voltage & Power-Voltage Curves (SL5M108)

