

# MONO TOPCON HALF CELL MODULE

## SEMI+MBB

SL5M108  
415-430 WATT



### HIGHER POWER DENSITY

- Output up to 415watt on 1.952M<sup>2</sup>
- Module efficiency high to 22%
- Gain more solar power per square meter



### SEMI+MBB

- Semi design deduce working temperature of operation and minimize hot-spot risk
- MBB design deduce cover of busbars and improve current collection ability on windy days
- Improve the output/watt



### LIGHTER BUT MORE RELIABLE

- Modules are much lighter
- Thicker frames ensure modules much stronger



### APPLIED UNDER STRICT CONDITIONS

- Modules could be applied under ammonia, salt mist, high temperature, high humidity condition



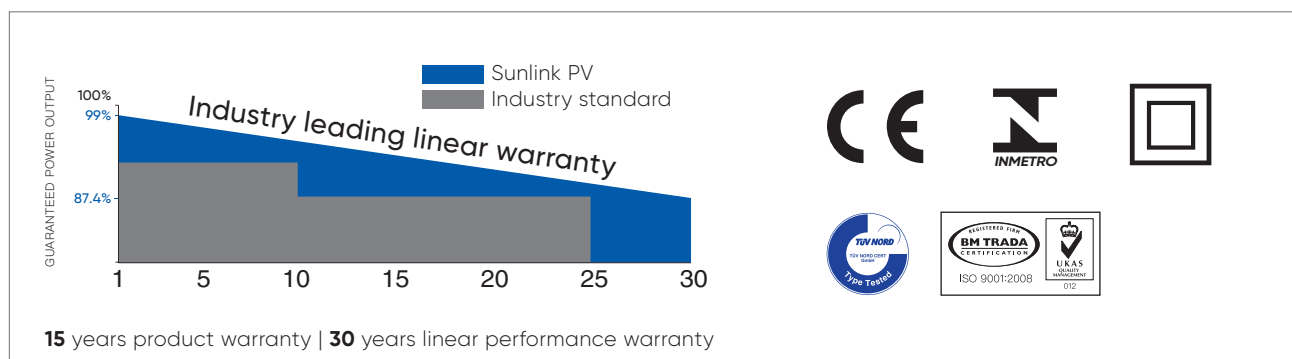
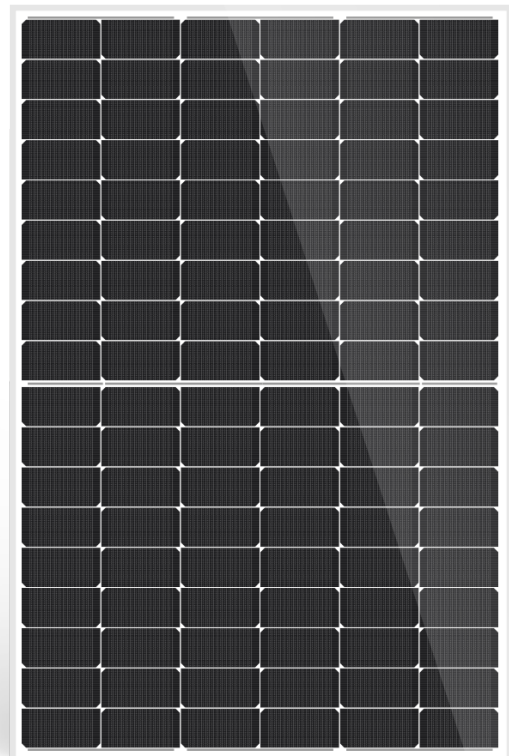
### IP68

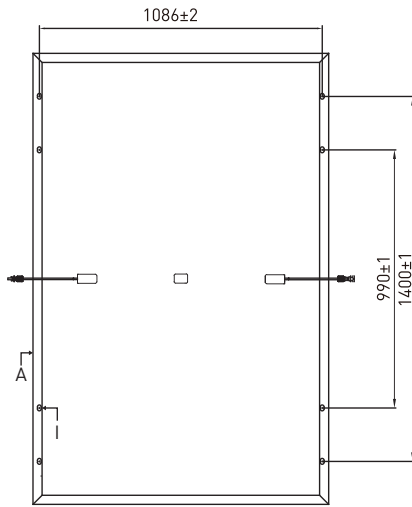
- IP68 junction boxes improve water-proof performance



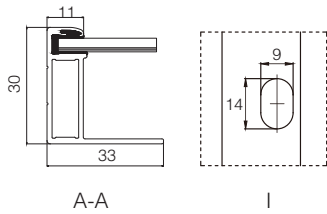
### EXCELLENT FIRE-PROOF PERFORMANCE

- Modules have passed anti-fire test

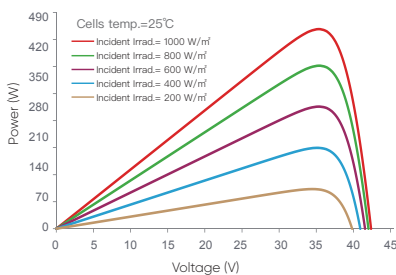
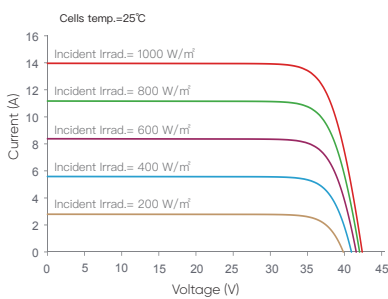




Back overview



Current-Voltage & Power-Voltage Curves (SL5M108)



### ELECTRICAL DATA (STC)

Rated Power In Watts-Pmax (Wp)	415	420	425	430
Maximum Power Voltage-Vmpp (V)	31.63	31.84	32.05	32.26
Maximum Power Current-Impp (A)	13.12	13.19	13.26	13.33
Open Circuit Voltage-Voc (V)	37.85	38.04	38.23	38.42
Short Circuit Current-Isc (A)	13.92	14	14.08	14.16
Module Efficiency (%)	21.3%	21.5%	21.8%	22.0%

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)	314	318	322	326
Maximum Power Voltage-Vmpp (V)	29.8	29.95	30.11	30.24
Maximum Power Current-Impp (A)	10.54	10.62	10.7	10.78
Open Circuit Voltage-Voc (V)	36.02	36.2	36.38	36.56
Short Circuit Current-Isc (A)	11.15	11.21	11.27	11.33

NMOT: Irradiation: 800 W/m<sup>2</sup>, ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s

### MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline N-type, MBB
Cell Configuration	108 cells (6 x 9 x 2)
Module Dimensions	1722 x 1134 x 30 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 <sup>2</sup> , (+) 380mm, (-) 380mm or customized length
Connector	MC4 Compatible

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44±2°C
Temperature Coefficient of Voc	-0.26% / °C
Temperature Coefficient of Isc	0.05% / °C
Temperature Coefficient of Pmax	-0.31% / °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