

# MONO TOPCON BIFACIAL HALF CELL MODULE

## SL5N108D

**435 | 440 WATT**

ELECTRICAL DATA	STC	NMOT	STC	NMOT
RATED POWER In Watts-Pmax(Wp)	435	330	440	334
Maximum Power Voltage-Vmpp(V)	32.47	30.39	32.67	30.53
Maximum Power Current-Impp(A)	13.4	10.86	13.47	10.94
Open Circuit Voltage-Voc(V)	38.61	36.74	38.8	36.92
Short Circuit Current-Isc(A)	14.24	11.39	14.32	11.45
Module Efficiency(%)	22.30%		22.50%	

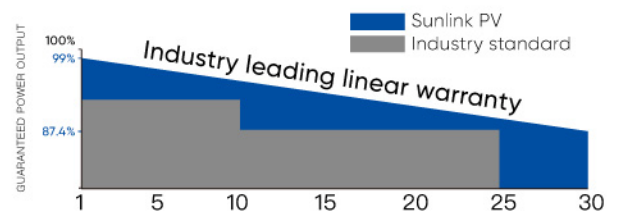
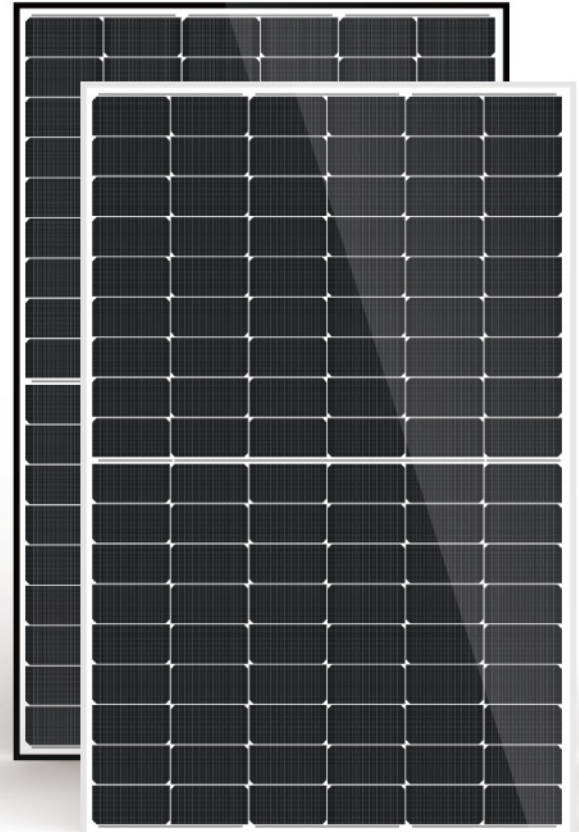
STC: Irradiation 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
 NOCT: Irradiation: 800 W/m<sup>2</sup>, ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER AGAIN(REFERENCE TO 440WATT FRONT )					
Pmax gain (%)	5%	10%	15%	20%	25%
Maximum Power (Pmax/W)	462	484	506	528	550
Maximum Power Voltage (Vmpp/V)	32.67	32.67	32.67	32.67	32.67
Maximum Power Current (Impp/A)	14.14	14.81	15.49	16.16	16.84

MECHANICAL CHARACTERISTICS	
Solar Cells	Monocrystalline N-type, SMBB
Cell Configuration	108 cells(6*9*2)
Module Dimensions	1722*1134*30mm
Weight	22.5kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	2.0mm Glass
Frame	Anodized Aluminium Alloy, Silver/Black
J-Box	IP68, 3bypass diodes
Cables	4mm <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	-0.25% / °C
Temperature Coefficient of ISC	0.045% / °C
Temperature Coefficient of PMAX	-0.30% / °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

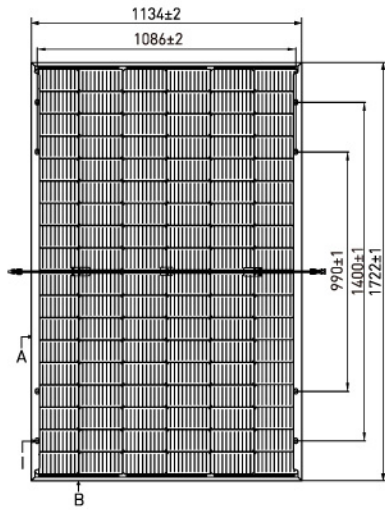


15 years product warranty | 30 years linear performance warranty

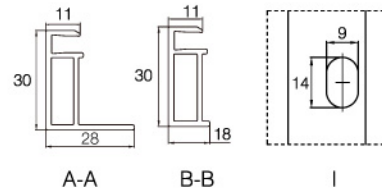
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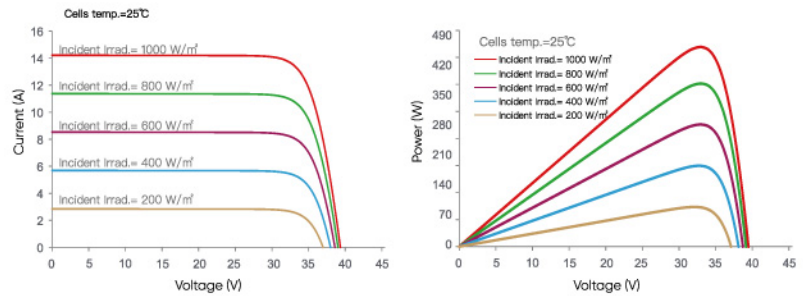
### BACK OVERVIEW



### DRAWINGS (MM)



### CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (435 WATT)



## HIGHLIGHTS

$+ \frac{W}{m^2}$

### HIGHER EFFICIENCY

- Module efficiency high to 22.5% ensure less BOS cost
- Gain more solar power per square meter

$\frac{15}{30}$

### LONGER WARRANTY

- N-type TOPCON technology ensures 15-year product warranty and 30-year power warranty

$\leq 1\%$   
 $\leq 0.4\%$

### LESS DEGRADATION

- 1st year degradation < 1%
- Annual degradation < 0.4%

$\geq 75\%$

### HIGHER BIFACIALITY

- 75%–80% Bifaciality ensures to gain more solar energy from backside

$\frac{\%}{^{\circ}C}$   
 $-0.3$

### LOWER TEMPERATURE COEFFICIENT OF P<sub>MAX</sub>

- TOPCON modules' coefficient of P<sub>max</sub> low to -0.3%/°C helps gaining more power at sunny days.