

POWER+ TOPCON FACIAL Full Black HALF CELL MODULE

SL5N108

440 | 445 WATT

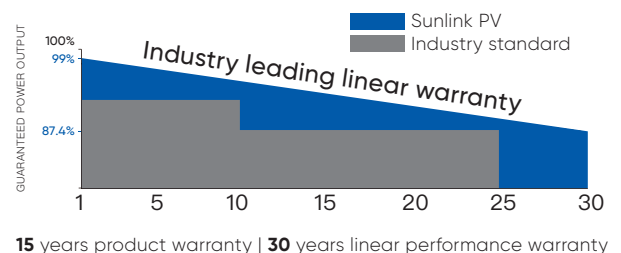
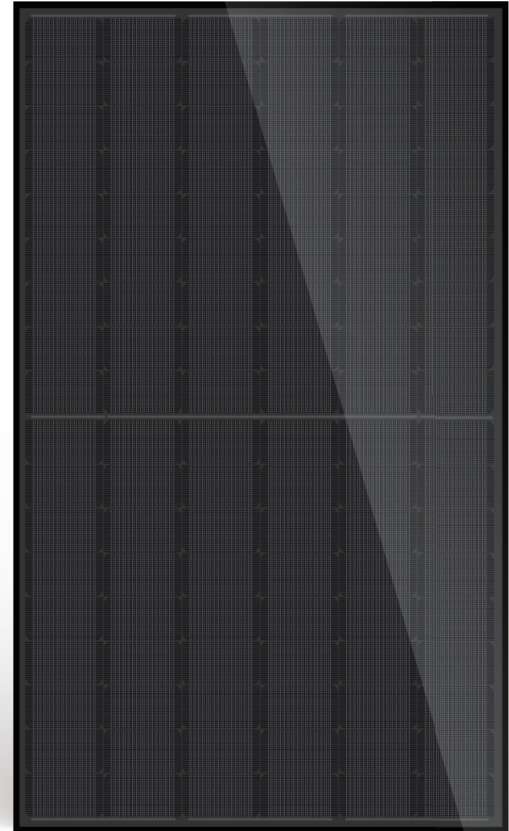
ELECTRICAL DATA	STC	NMOT	STC	NMOT
RATED POWER In Watts-Pmax(Wp)	440	331	445	335
Maximum Power Voltage-Vmpp(V)	32.47	30.26	32.65	30.45
Maximum Power Current-Imp(A)	13.55	10.94	13.63	11
Open Circuit Voltage-Voc(V)	38.9	36.96	39.3	37.33
Short Circuit Current-Isc(A)	14.31	11.55	14.4	11.63
Module Efficiency(%)	22.00%		22.30%	

STC: Irradiation 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
 NOCT: Irradiation: 800 W/m², ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s

MECHANICAL CHARACTERISTICS	
Solar Cells	Monocrystalline, SMBB
Cell Configuration	108 cells(6*9*2)
Module Dimensions	1762*1134*30mm
Weight	22.0kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	Black Back-sheet
Frame	Anodized Aluminium Alloy, Black
J-box	IP68, 3bypass diodes
Cables	4mm ² , (+)380mm, (-)380mm or customized length
Connector	MC4 Compatible

TEMPERATURE AND MAXIMUM RATINGS	
Nominal Module Operating Temperature(NMOT)	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Pmax	-0.30%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A

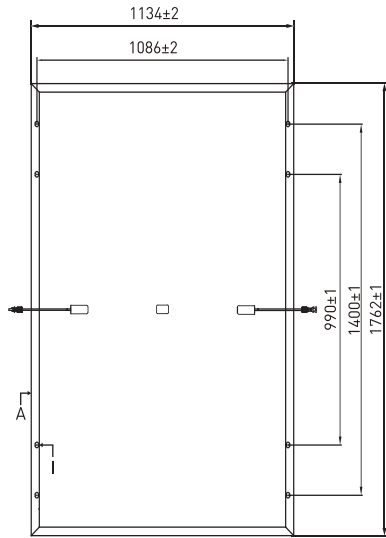
PACKAGING CONFIGURATION	
	40FT(HQ)
Number of Modules Per Container	936
Number of Modules Per Pallet	36
Number of Pallets Per Container	26



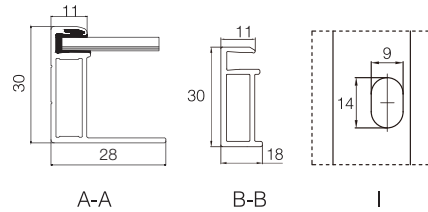
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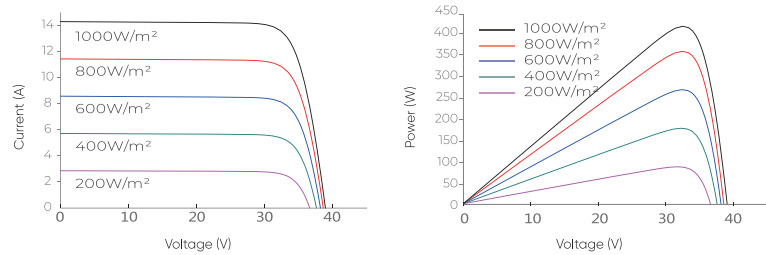
BACK OVERVIEW



DRAWINGS (MM)



CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (440 WATT)



HIGHLIGHTS

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

HIGHER EFFICIENCY

- Module efficiency high to 22.3% 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%

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

$$-0.3$$

LOWER TEMPERATURE COEFFICIENT OF P_{MAX}

- TOPCON modules' coefficient of P_{max} low to -0.3%/ C helps gaining more power at sunny days.