

TOPCon Bifacial Dual Glass Full Black Module

SL6N96D2

445 | 450 WATT

ELECTRICAL DATA	STC	NMOT	STC	NMOT
Rated Power In Watts-Pmax (Wp)	445	338	450	342
Maximum Power Voltage-Vmpp (V)	29.42	27.73	29.61	27.92
Maximum Power Current-Impp (A)	15.13	12.19	15.20	12.25
Open Circuit Voltage-Voc (V)	35.50	33.72	35.70	33.91
Short Circuit Current-Isc (A)	15.97	12.87	16.04	12.93
Module Efficiency (%)	22.3%	/	22.5 %	/

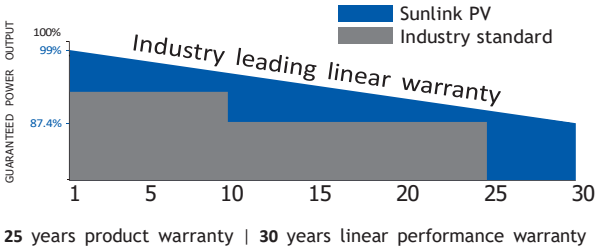
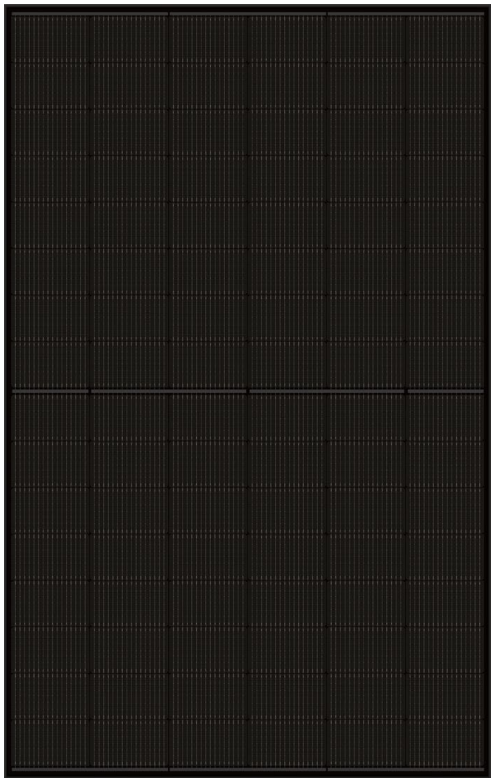
STC: Irradiation 1000 W/m², Cell Temperature 25 °, Air Mass AM1.5 according to EN 60904-3.
NOCT: Irradiation: 800 W/m², ambient temperature: 20 °, air mass: 1.5, wind speed 1 m/s

Electrical Characteristics With Different Rear Side Power Again (Reference To 450w Front)					
Pmax gain (%)	5%	10%	15%	20%	25%
Maximum Power (Pmax/W)	473	495	518	540	563
Maximum Power Voltage (Vmpp/V)	29.61	29.61	29.61	29.61	29.61
Maximum Power Current (Impp/A)	15.98	16.72	17.50	18.24	19.02

MECHANICAL CHARACTERISTICS	
Solar Cells	Monocrystalline N-type,SMBB
Cell Configuration	96cells (6 x 8x 2)
Module Dimensions	1762 x 1134x 30 mm
Weight	21.2 kg
Front Glass	1.6mm AR Coating Heat Strengthened Glass
Back Glass	1.6mm Heat Strengthened Glass,Black Mesh
Frame	Anodized Aluminium Alloy, Black
J-Box	IP68, 3 bypass diodes
Cables	4.0mm ² , (+) 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	0.046%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A

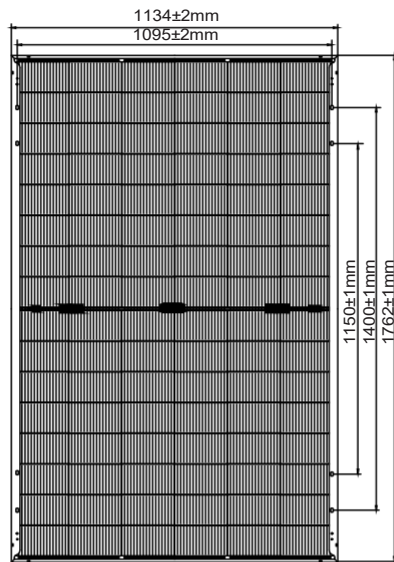
PACKAGING CONFIGURATION	
Container Type	40 FT (HQ)
Number of Modules Per Container	936
Number of Modules Per Pallet	36
Number of Pallets Per Container	26



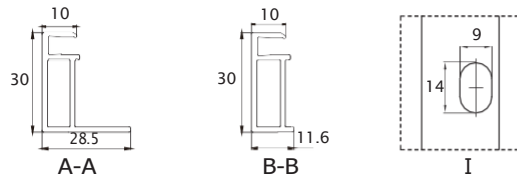
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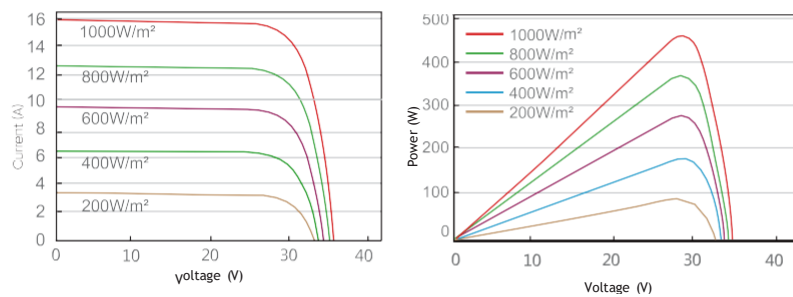
BACK OVERVIEW



DRAWINGS (MM)



CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (SL6N96D2)



HIGHLIGHTS

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

HIGHER EFFICIENCY

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

$$\frac{25}{30}$$

LONGER WARRANTY

- N-type TOPCON technology ensures 25-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

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

$$-0.29$$

LOWER TEMPERATURE COEFFICIENT OF PMAX

- TOPCON modules' coefficient of Pmax low to -0.29%/ °C helps gaining more power at sunny days.