SunLink PV

# 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 % | / |

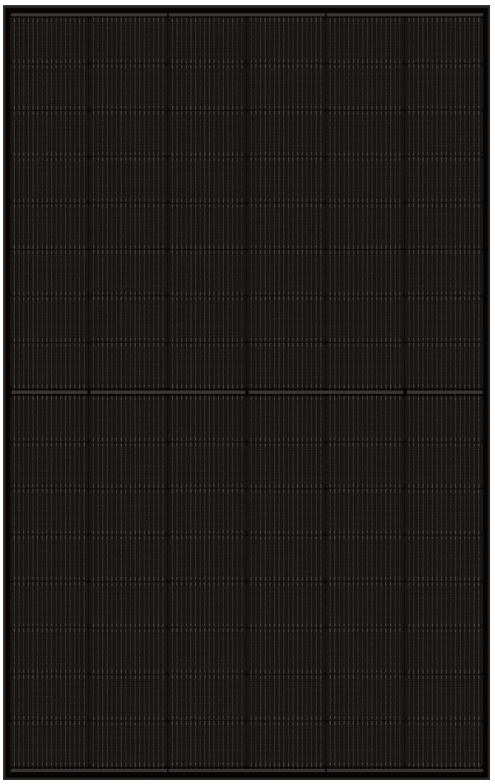
STC: Irradiation 1000 W/m², Cell Temperature 25 - , Air Mass AM1.5 according to EN 60904-3.
NOCT: Irradiation: 800 W/m , ambient temperature: 20 - , air mass: 1.5, wind speed 1 m/s

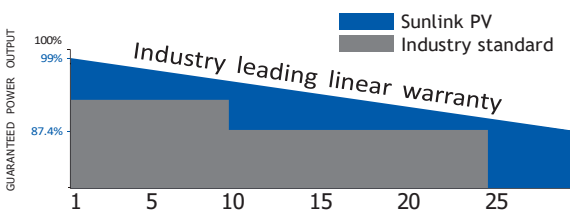
| Electrical Characteristics With Different Rear Side Power Again (Reference To 450w Front) | | | | | |
|---|---|---|---|---|---|
| Pmax gain (%) | 5% | 10% | 15% | 20% | 25% |
| Maximum Power (Pmax/W) | 473 | 495 | 518 | 540 | 563 |
| Maximum Power Voltage (Vmpp/V) | 29.61 | 29.61 | 29.61 | 29.61 | 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 | 4.0mm² , (+) 380mm, (-) 380mm or customized length |
| Connector | MC4 Compatible |

| TEMPERATURE & MAXIMUM RATINGS | |
|---|---|
| Nominal Module Operating Temperature (NMOT) | 44±2℃ |
| Temperature Coefficient of Voc | -0.26% /℃ |
| Temperature Coefficient of Isc | 0.046%/℃ |
| Temperature Coefficient of Pmax | -0.29%/ ℃ |
| Operational Temperature | -40℃~+85℃ |
| 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 |






**25** years product warranty | **30** years linear performance warranty

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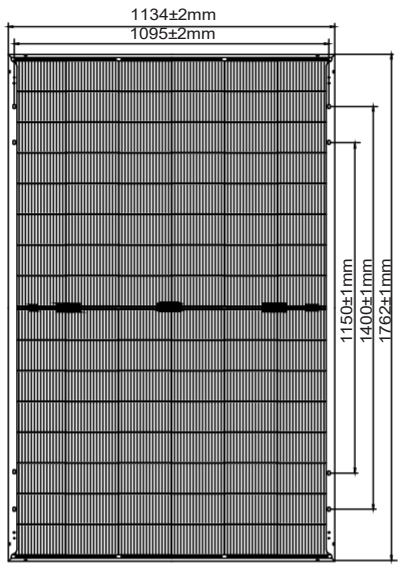
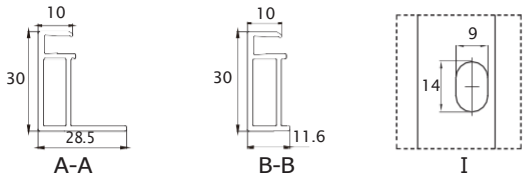
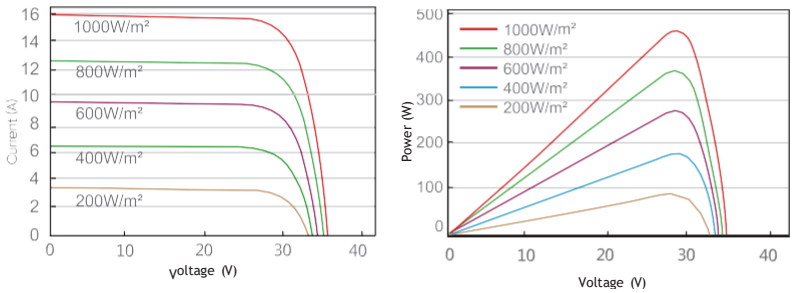
### BACK OVERVIEW




### DRAWINGS (MM)




### CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (SL6N96D2)




## HIGHLIGHTS

+W/m²

### HIGHER EFFICIENCY

·Module efficiency high to 22.5% ensure less BOS cost

·Gain more solar power per square meter

25/30

### LONGER WARRANTY

·N-type TOPCON technology ensures 25-year product warranty and 30-year power warranty

≤1%
≤0.4%

### LESS DEGRADATION

·1st year degradation < 1%

·Annual degradation < 0.4%

≥75%

### HIGHER BIFACIALITY

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

%/℃
-0.29

### LOWER TEMPERATURE COEFFICIENT OF PMAX

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

www.sunlink-pv.com info@sunlink-pv.com