SunLink PV

Mono TopCon Bifacial Half Cell Module

SL6N96D2

450 | 455 WATT

ELECTRICAL DATA	STC	NMOT	STC	NMOT
Rated Power In Watts-Pmax (Wp)	450	342	455	346
Maximum Power Voltage-Vmpp (V)	29.61	27.92	29.80	28.11
Maximum Power Current-Impp (A)	15.20	12.25	15.27	12.31
Open Circuit Voltage-Voc (V)	35.70	33.91	35.90	34.10
Short Circuit Current-Isc (A)	16.04	12.93	16.11	12.99
Module Efficiency (%)	22.5%	/	22.8 %	/

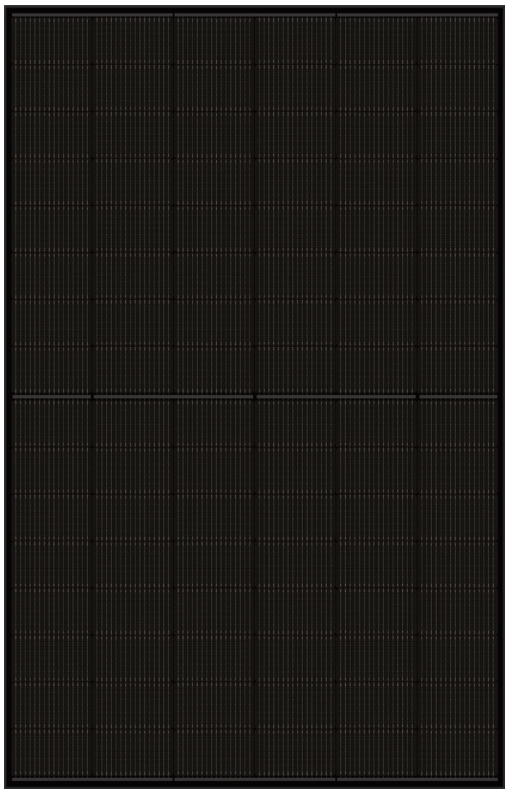
STC: Irradiation 1000 W/m², Cell Temperature 25℃, Air Mass AM1.5 according to EN 60904-3.
NOCT: Irradiation: 800 W/m,, ambient temperature: 20 ℃, air mass: 1.5, wind speed 1 m/s

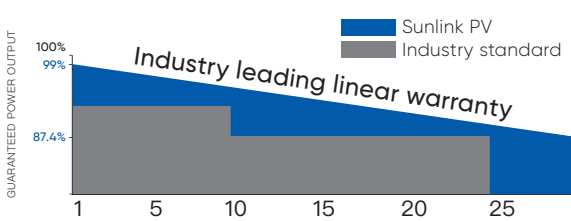
Electrical Characteristics With Different Rear Side Power Again (Reference To 450w Front)					
Pmax gain (%)	5%	10%	15%	20%	25%
Maximum Power (Pmax/W)	473	495	518	540	563
Maximum Power Voltage (Vmpp/V)	29.61	29.61	29.61	29.61	29.61
Maximum Power Current (Impp/A)	15.98	16.72	17.50	18.24	19.02

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
Glass	1.6mm Anti-reflective Coating Glass
Back Sheet	1.6mm Heat Strenghthened Glass
Frame	Anodized Aluminium Alloy, Black
J-Box	IP68, 3 bypass diodes
Cables	4.0mm² , (+) 380mm, (-) 380mm or customized length
Connector	MC4 Compatible
Wind/Snow Load	2400Pa/5400Pa

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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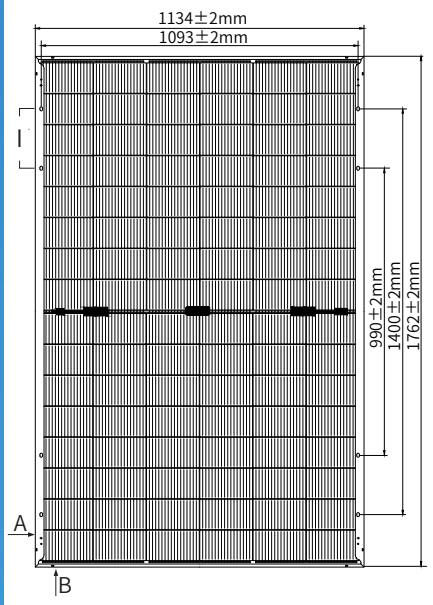
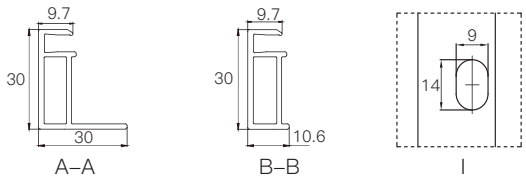
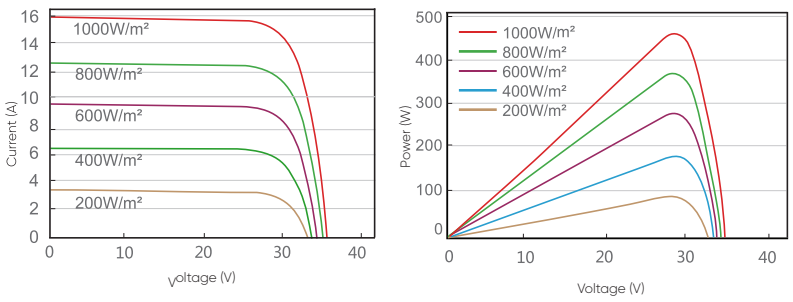
BACK OVERVIEW



DRAWINGS (MM)



CURRENT-VOLTAGE & POWER-VOLTAGE CURVES (SL6N96D2)



HIGHLIGHTS

+W/m²

HIGHER EFFICIENCY

·Module efficiency high to 22.8% 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.

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