



## 360 Wp - 72 Cell

### Ultra-High-Efficiency Bifacial PV Module Clear Backsheet

#### REVOLUTIONIZING BIFACIAL TECHNOLOGY.

The Bifacial 360 ultra-high-efficiency modules are optimized with premium N-Type bifacial cells up to 21.5% front efficiency (23.2% module efficiency with up to 30% back side contribution). Designed to be architecturally distinct and delivering low-degradation and maximum power density.

#### REVOLUTIONIZING NORTH AMERICAN QUALITY.

Our OEM's fully-automated manufacturing facility ensures precision engineering is applied at every step. Superior reliability and performance combine to produce the lowest defect rate in the industry.

#### REVOLUTIONIZING CUSTOMIZED SERVICE.

Our OEM's 100% North American based team leverage just-in-time manufacturing to deliver unparalleled on-time delivery and flexible project solutions.

#### HIGHEST BIFACIAL FACTOR.

85% of bifaciality factor ( $\text{eff rear} = \text{eff front} \times 0.85$ ), using an N-type cell compared to the  $\approx 50\%$  bifaciality factor of a P-type cell.

#### ENSURES MAXIMUM POWER.

360 Wp (front side STC) equal to 451.9 Wpe (Watt Peak Equivalent) with 30% Bifacial gain.

#### PID RESISTANT.

Anti PID (Potential Induced Degradation) technology.

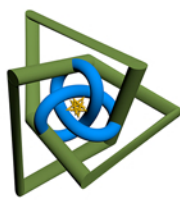
#### LID NEAR ZERO.

Virtually no LID (Light Induced Degradation) resulting in more power in year one vs. conventional technology.

#### 30-YEAR GUARANTEE.

100% EL testing = Bankable 30-year performance warranty and the lowest defect rate in the industry at 44 PPM.





# LEDOLAS

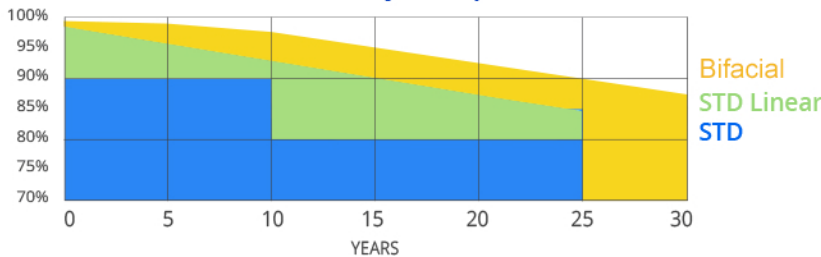
Lighting | Energy | Decontamination

360 Bifacial (72 Cell)		STC at Front + Irradiance % on back side				NOCT at Front
Electrical Specifications	STC at Front	15%	20%	25%	30%	
Pmp (W)	360.0	405.9	421.2	436.5	451.9	274.5
Imp (A)	8.9	9.95	10.33	10.68	11.04	6.8
Vmp (V)	40.3	39.44	39.46	39.52	39.53	40.3
Isc (A)	9.7	10.57	10.98	11.38	11.77	7.7
Voc (V)	47.5	47.81	47.86	47.90	47.98	47.0
Efficiency	18.46%	20.81%	21.60%	22.38%	23.17%	17.6%

Measurement conditions: STC 1000 W/m<sup>2</sup> • AM 1.5 • Temperature 25 °C • NOCT 800 W/m<sup>2</sup> • AM 1.5 • Temperature 20 °C • Measurement uncertainty ≤ 3% • Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by -0/+5W.

Output Power Advantages	STD	BIFACIAL
LID after first week of installation	3.0%	0.3%
Power degradation from 1st to 12th year	0.6%	0.4%
Power degradation from 13th to 30th year	0.75%	0.4%

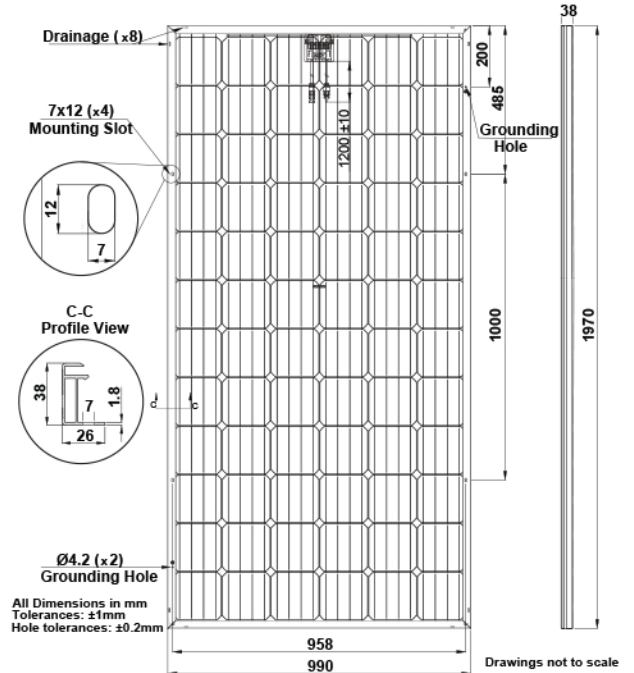
## Power Warranty Comparison



Temperature Coefficients (at 1000 W/m <sup>2</sup> , 25°C, AM1.5)		SLG-X BIFACIAL
Temperature Coefficient Isc	%/C	0.041
Temperature Coefficient Voc	%/C	-0.280
Temperature Coefficient Pmax	%/C	-0.415
NOCT	°C	43 ± 2
Operating Conditions		SLG-X BIFACIAL
Max system Voltage Vsys	1000 VDC	Safety Class II
Max reverse Current Ir	15A	Fire rating C
Maximum surface load (wind/snow)	Front 5400 Pa Back 2400 Pa (50 lb/ft-sq)	Permitted module temperature -40°C/+85°C
Hail Impact Resistance	Ø 25 mm at 83 km/h	
Mechanical Properties and Components		SLG-X BIFACIAL
Module weight (± 1 kg)	kg	23
Dimensions (H x L x D; ± 1mm)	mm	1970 x 990 x 38
Cells	Bifacial N-type cell, monocrystalline, 4 busbar, 156.75 x 156.75 mm	
Glass	3.2 mm high transmittance, tempered, antireflective coating	
Encapsulant	PID-resistant POE	
Backsheet	Multilayer polyester-based	
Frame	Anodized Al	
Bypass Diodes	3 diodes-45V/12A	
Cables and connectors (see installation manual)	1200 mm Ø 5.7 mm (4 mm <sup>2</sup> ), MC4 compatible	
Warranties		SLG-X BIFACIAL
Module product warranty	12 years 30 years	

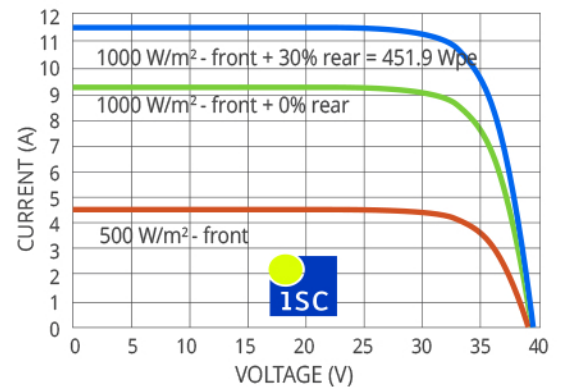
Linear power performance guarantee

≥ 99.3% end of 1<sup>st</sup> year  
≥ 95% end of 12<sup>th</sup> year  
≥ 88.4% end of 30<sup>th</sup> year



Warning: Read the installation and User Manual before handling, installing and operating modules.

## Typical I-V curve 360W



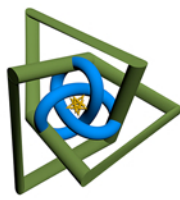
Third-party generated pan files from PV Evolution Labs available



- Pallet Count: 30
- Container Count: 750

Certifications	SLG-X BIFACIAL
Product	ULC ORD C1703, UL 1703, CEC listed
	UL Fire Rating: Type 2 (Type 1 on request)
Factory	ISO 9001:2008

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Lighting | Energy | Decontamination

**88.4%**  
Guarantee

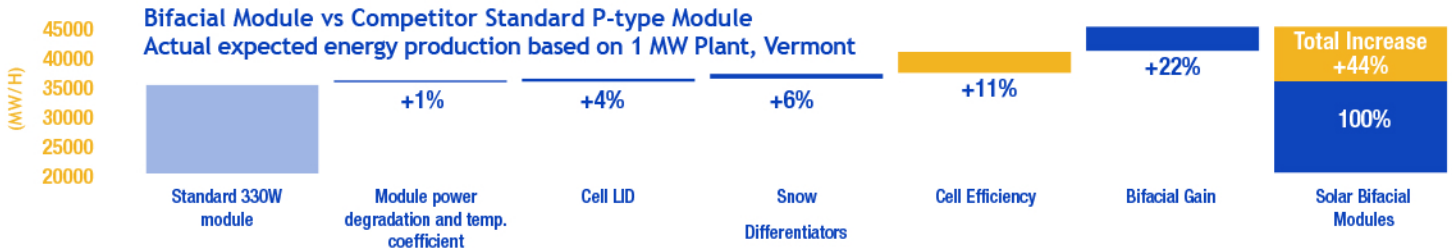
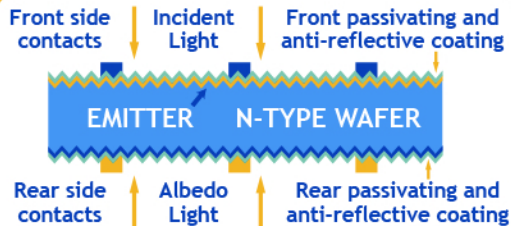
Virtually  
no  
**LID**

**PID**  
Resistant

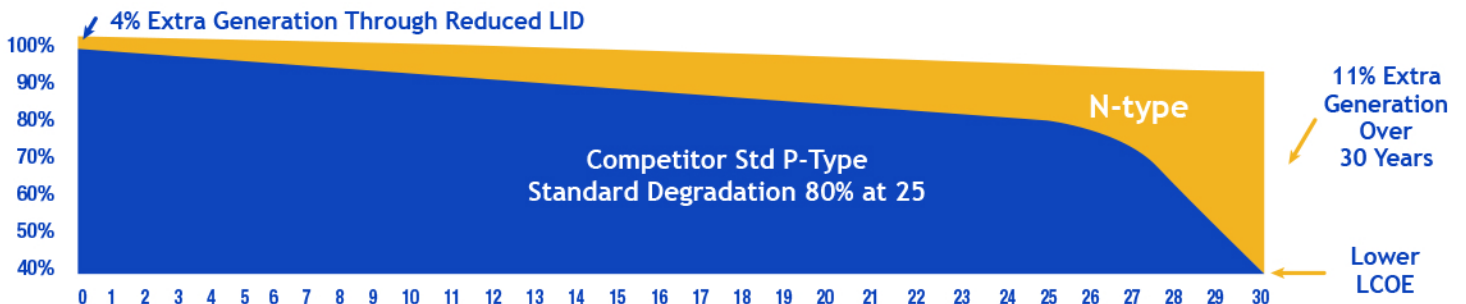
**DIRECT  
SUNLIGHT  
100%**

**REFLECTED  
SUNLIGHT  
UP TO 80%**

- SNOW - 75-95%
- WHITE ROOF - 75-95%
- DUNE SAND - 17-28%
- GRASS - 37%
- ASPHALT - 10-20%



## CELL EFFICIENCY - WARRANTY



**LOWER LCOE - MORE POWER**

