

G1 Bifacial Series

High Efficiency Monocrystalline Bifacial Solar Modules



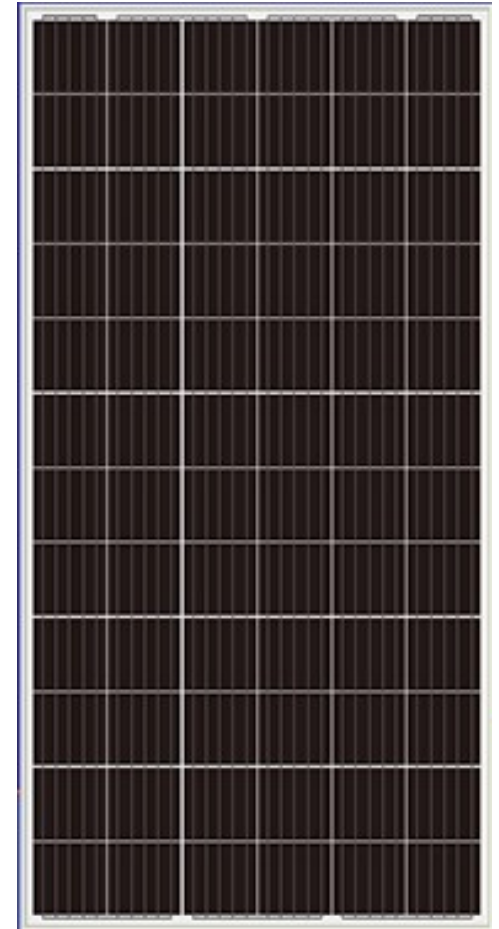
SLN-72G1 Mono PERC Bifacial-395/400/405

SOLARON: The name to be trusted

SLN-72G1 Mono PERC Bifacial-XXX is a solar module with 72 high efficiency PERC mono-crystalline bifacial solar cells 158.75x158.75. Our design and manufacturing techniques ensure a high-yield, long-term performance for every produced module. Our quality control and in-factory testing facilities guarantee Solaron modules meet the highest quality standards possible.

KEY FEATURES

- ◆ Dual stage 100% EL Inspection warranting defect-free product
- ◆ Positive power tolerance 0 ~ +3%
- ◆ Innovative PERC cell technology
- ◆ High quality IP68 potted junction box for long life time
- ◆ Reference module calibrated by Fraunhofer Institute (Germany), which make our modules datasheets more reliable
- ◆ Module power increases 5-25% generally (per different reflective condition) lower LCOE and higher IRR
- ◆ Light-weight design for easy installation and low BOS cost
- ◆ Excellent Anti-PID performance guarantee limited power degradation for mass production.



MANAGEMENT SYSTEM



ISO 9001

Quality management system

ISO 14001

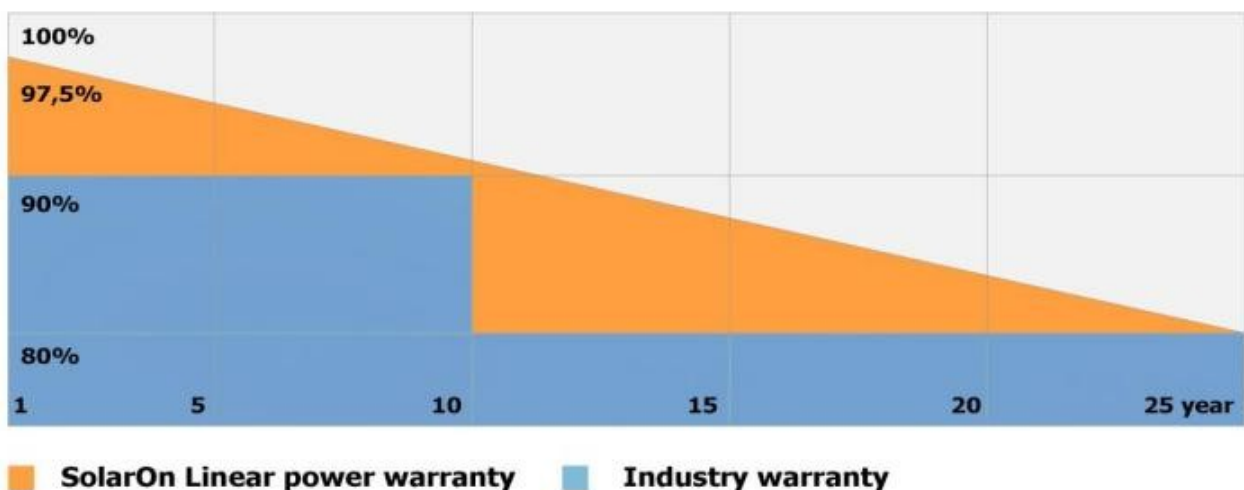
Standard for environmental management system

OHSAS 18001

International standard for occupational health and safety assessment system

WARRANTY

25 - year linear power output warranty 12 year material and workmanship warranty



Electrical characteristics at STC				Temperature&Maximum operation	
Nominal Power (P_{max})	395	400	405	(NMOT)	43°C ± 2°C
Open Circuit Voltage (V_{oc})	49.34	49.55	49.76	Temperature coeff P_{max}	-0.37% / °C
Short Circuit Current (I_{sc})	10.11	10.24	10.35	Temperature coeff V_{oc}	-0.34% / °C
Voltage at Nominal Power (V_{mp})	40.60	40.81	41.01	Temperature coeff I_{sc}	0.06% / °C
Current at Nominal Power (I_{mp})	9.75	9.84	9.93	Maximum System Voltage	1500V
Module Efficiency	19.91%	20.17%	20.4%	Maximum Series Fuse Rating	20A
				Maximum Snow Load	3600 Pa
Nominal Power (P_{max})	298	305	312	Maximum Wind Load	2400 Pa
Open Circuit Voltage (V_{oc})	46.51	46.70	46.90	Maximum operating temperature	-40°C +80°C
Short Circuit Current (I_{sc})	8.40	8.46	8.52		
Voltage at Nominal Power (V_{mp})	37.60	37.82	38.04		
Current at Nominal Power (I_{mp})	7.75	7.84	7.93		

*All electrical characteristics at STC (1000W/m², (25±2)°C, AM 1.5 according to IEC 60904-3),

*NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

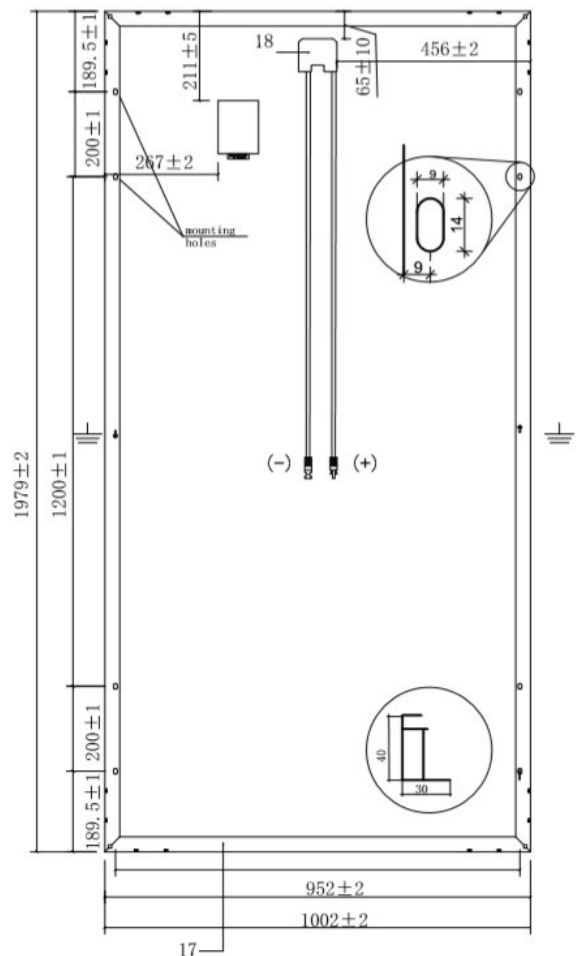
*Specifications are subject to change without notice

*Power production tolerance: -0%;+3% , Voc production tolerance ±3%, Isc production tolerance ±3%

Construction materials

Solar cells	Monocrystalline PERC 5BB 158.75x158.75 mm
Cell configuration	72 cells (6x12)
Front cover	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Back cover	White Backsheet, TPT
Frame	Anodized Aluminum
J-Box	IP68, 1500DC, 3 bypass diodes
Cables	4.0mm ² (12AWG). 1200mm length (customer demand)
Connector	IP67 QC4
Module dimension	1979x1002x40 mm
Module weight	23 kg

Engineering Drawings



Packaging Information

Quantity/Pallet	27
Pallets/Container (40'HC)	24
Quantity/Container (40'HC)	648

