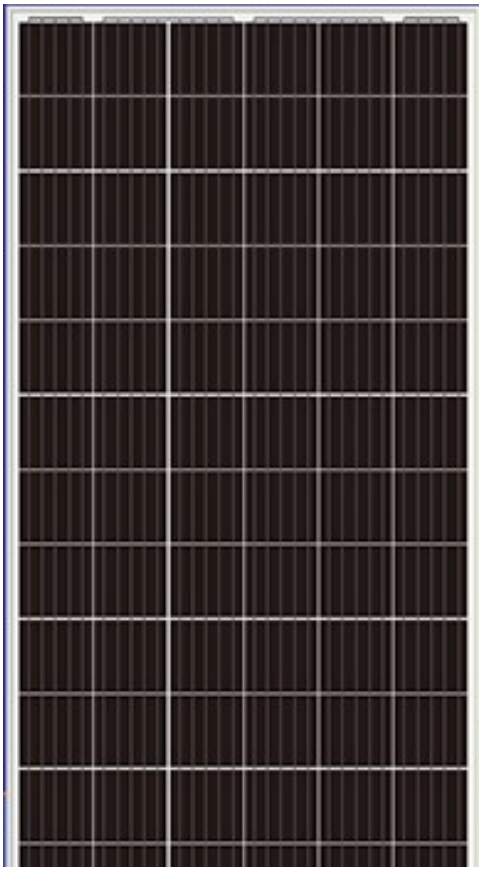
G1 Series

High Efficiency Monocrystalline Solar Modules

SLN-72G1 Mono PERC-385/390/395/

SOLARON
CONNECT TO THE SUN



SOLARON:The name to be trusted

SLN-72G1 Mono PERC-XXX is a solar module with 72 high efficiency PERC mono-crystalline solar cells 158.75x158.75. These modules can be used for ON-Grid and OFF-Grid solar applications. 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.

When you choose Solaron, you get more than well-engineered products. You also get Solaron's proven reliability, outstanding customer service and the assurance of both our 12-year warranty on materials or workmanship as well as the 25-year limited warranty on power output.

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**

MANAGEMENT SYSTEM

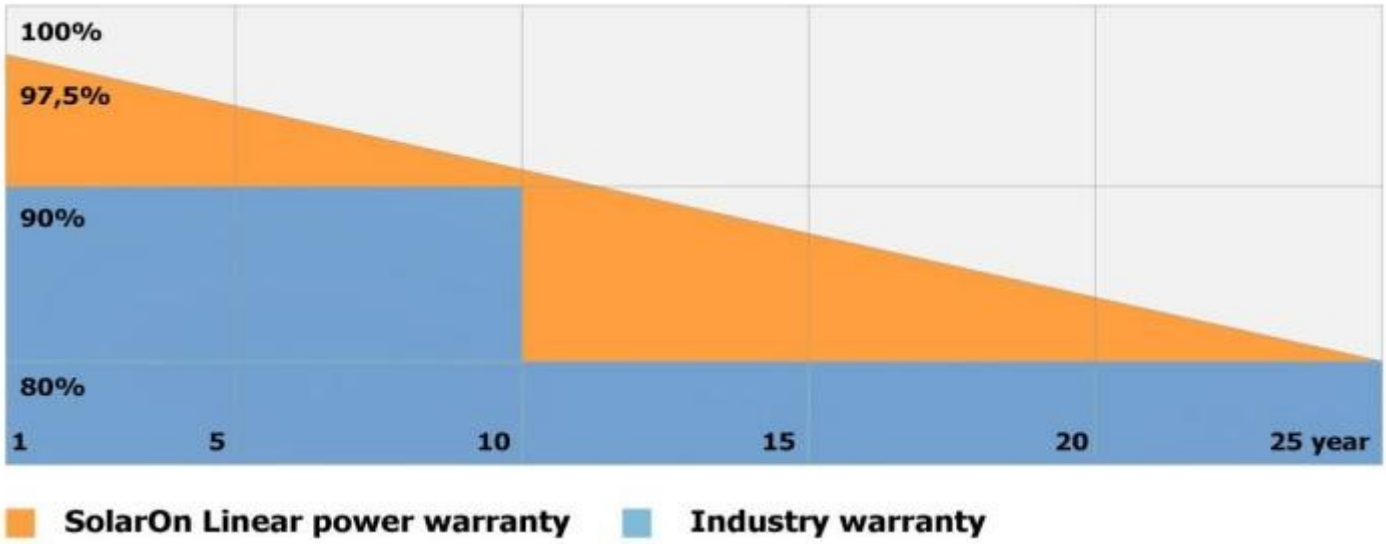
TÜV InterCert SAAR

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



High Efficiency Monocrystalline Solar Modules

SLN-72G1 Mono PERC-385/390/395/

Electrical characteristics at STC			
Nominal Power (P_{max})	385	390	395
Open Circuit Voltage (V_{oc})	49.06	49.34	49.62
Short Circuit Current (I_{sc})	10.04	10.11	10.18
Voltage at Nominal Power (V_{mp})	40.39	40.66	40.82
Current at Nominal Power (I_{mp})	9.58	9.62	9.75
Module Efficiency	19.41%	19.66%	19.91%

Electrical characteristics at NMOT			
Nominal Power (P_{max})	286	291	298
Open Circuit Voltage (V_{oc})	46.12	46.34	46.7
Short Circuit Current (I_{sc})	8.13	8.35	8.4
Voltage at Nominal Power (V_{mp})	37.3	37.65	37.82
Current at Nominal Power (I_{mp})	7.60	7.62	7.75

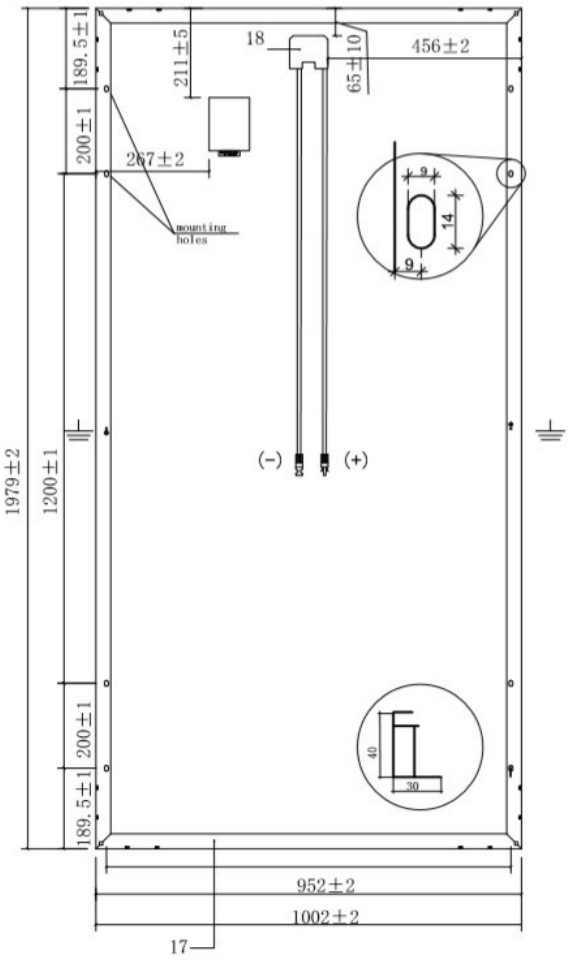
Temperature&Maximum operation	
(NMOT)	43°C ± 2°C
Temperature coeff P_{max}	-0.37% / °C
Temperature coeff V_{oc}	-0.34% / °C
Temperature coeff I_{sc}	0.06% / °C
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Maximum Snow Load	3600 Pa
Maximum Wind Load	2400 Pa
Maximum operating temperature	-40ºC +80ºC

*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	4.0mm² (12AWG). 1200mm length (customer demand)
Connector	IP67 QC4
Module dimension	1979x1002x40 mm
Module weight	23 kg

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

Engineering Drawings



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