# 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

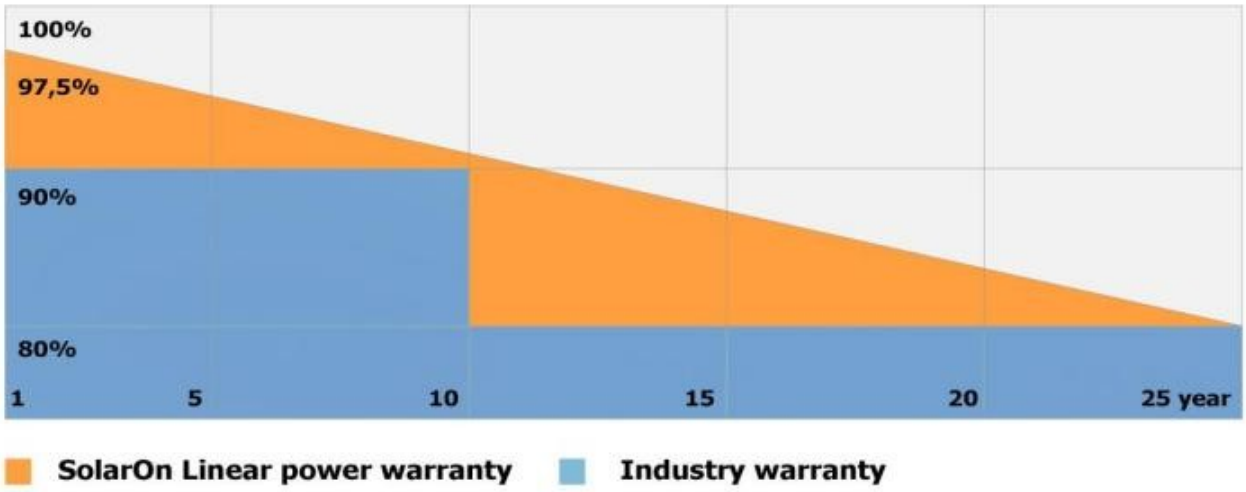
- **Dual stage 100% EL Inspection warranting defect-free product**
- **Positive power tolerance 0 ~ +3%**
- **Innovative PERC cell technology**
- **High quality IP68 potted junction box for long life time**
- **Reference module calibrated by Fraunhofer Institute (Germany), which make our modules datasheets 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**



# High Efficiency Monocrystalline Bifacial Solar Modules

## SLN-72G1 Mono PERC-385/390/395/400

| Electrical characteristics at STC | | | |
|---|---|---|---|
| Nominal Power ($P_{max}$) | 395 | 400 | 405 |
| Open Circuit Voltage ($V_{oc}$) | 49.34 | 49.55 | 49.76 |
| Short Circuit Current ($I_{sc}$) | 10.11 | 10.24 | 10.35 |
| Voltage at Nominal Power ($V_{mp}$) | 40.60 | 40.81 | 41.01 |
| Current at Nominal Power ($I_{mp}$) | 9.75 | 9.84 | 9.93 |
| Module Efficiency | 19.91% | 20.17% | 20.4% |

| Performance at NMOT | | | |
|---|---|---|---|
| Nominal Power ($P_{max}$) | 298 | 305 | 312 |
| Open Circuit Voltage ($V_{oc}$) | 46.51 | 46.70 | 46.90 |
| Short Circuit Current ($I_{sc}$) | 8.4 | 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 |

| Performanc at BSTC (Bifaciality φ =0.75) | | | |
|---|---|---|---|
| Rated power | 435 | 440 | 445 |

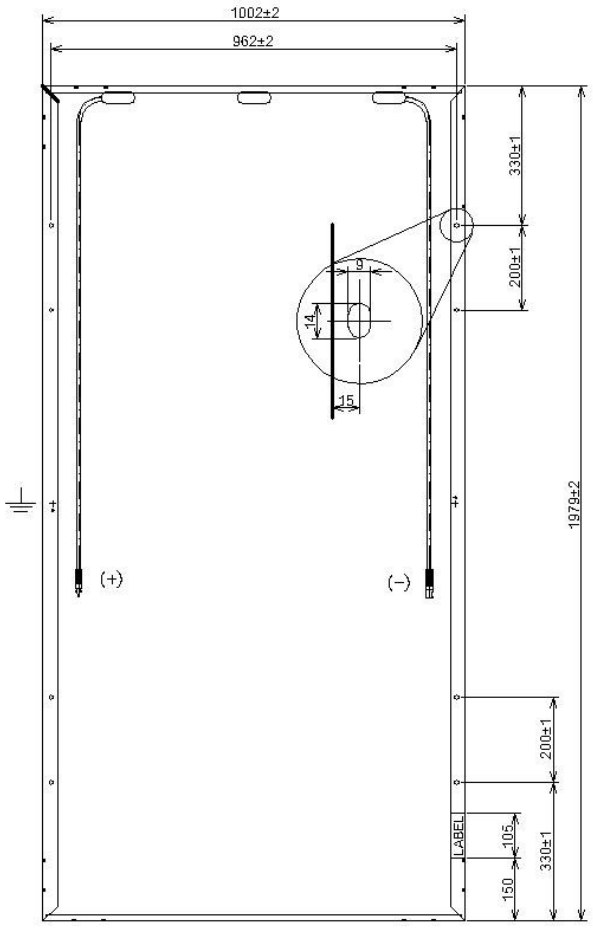
| Temperature&Maximum operation | |
|---|---|
| (NMOT) | 43°C ± 2°C |
| Temperature coeff $P_{max}$ | -0.37% / °C |
| Temperature coeff $V_{oc}$ | -0.34% / °C |
| Temperature coeff $I_{sc}$ | 0.06% / °C |
| Maximum System Voltage | 1500V |
| Maximum Series Fuse Rating | 20A |
| Maximum Snow Load | 3600 Pa |
| Maximum Wind Load | 2400 Pa |
| Maximum operating temp | -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
*BSTC: I=1000 W/m$^2$ + φ *135 W/m $^2$ , (25±2)°C, AM 1.5
*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 Bifacial 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 | Transparent Backsheet KPf Cynagard465 |
| Frame | Anodized Aluminum |
| J-Box | IP68, 1500DC, QC 171721, Reverse current 30A |
| 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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