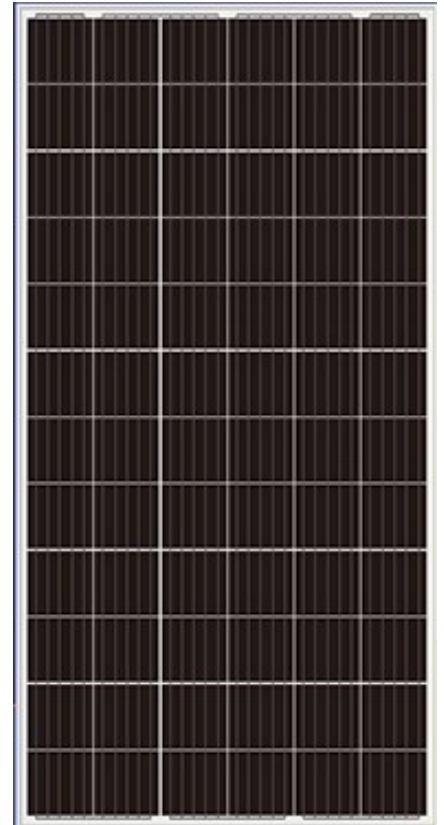


# G1 Series

## High Efficiency Monocrystalline Solar Modules

SLN-72G1 Mono PERC-385/390/395/400/405



### 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



ISO 9001

Quality management system

ISO 14001

Standard for environmental management system

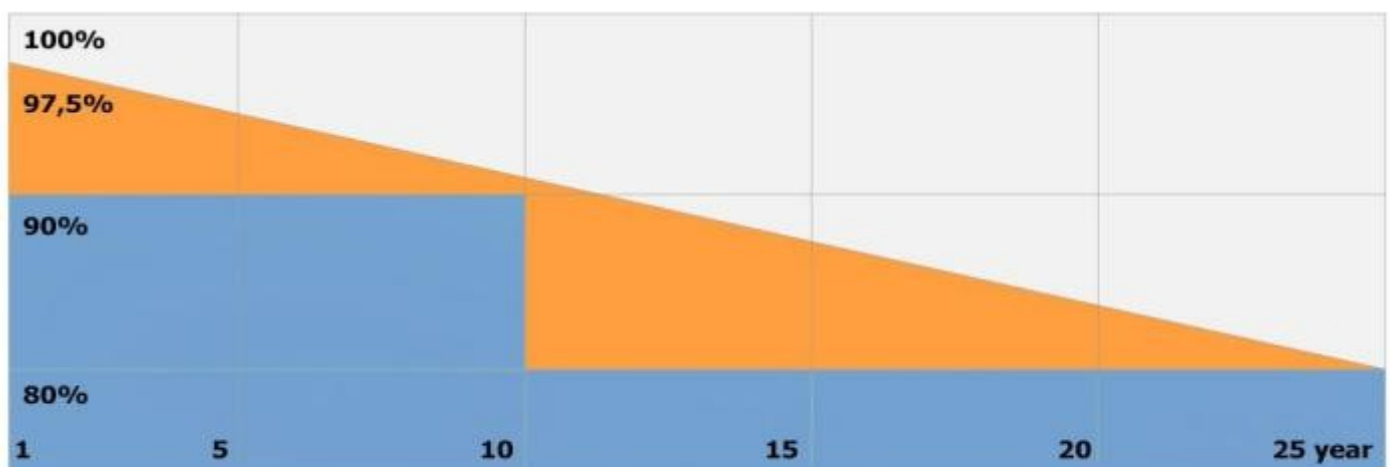
OHSAS 18001

International standard for occupational health and safety assessment system

### WARRANTY

25 - year linear power output warranty,

12 year material and workmanship warranty



■ SolarOn Linear power warranty
 ■ Industry warranty

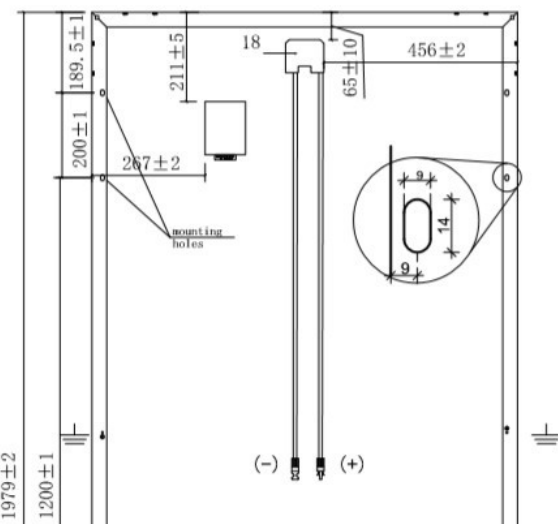
Electrical characteristics at STC						Temperature & Maximum operation	
Nominal Power ( $P_{max}$ )	385	390	395	400	405	(NMOT)	43°C ± 2°C
Open Circuit Voltage ( $V_{oc}$ )	49.06	49.34	49.55	49.62	49.80	Temperature coeff $P_{max}$	-0.37% / °C
Short Circuit Current ( $I_{sc}$ )	10.04	10.11	10.18	10.24	10.30	Temperature coeff $V_{oc}$	-0.34% / °C
Voltage at Nominal Power ( $V_{mp}$ )	40.39	40.60	40.81	41.02	41.22	Temperature coeff $I_{sc}$	0.06% / °C
Current at Nominal Power ( $I_{mp}$ )	9.58	9.62	9.75	9.84	9.93	Maximum System Voltage	1500V
Module Efficiency	19.41%	19.66%	19.91%	20.17%	20.4%	Maximum Series Fuse Rating	20A
Electrical characteristics at NMOT						Maximum Snow Load	3600 Pa
Nominal Power ( $P_{max}$ )	286	291	298	305	312	Maximum Wind Load	2400 Pa
Open Circuit Voltage ( $V_{oc}$ )	46.12	46.34	46.51	46.70	46.91	Maximum operating temperature	-40°C +80°C
Short Circuit Current ( $I_{sc}$ )	8.13	8.20	8.27	8.35	8.42		
Voltage at Nominal Power ( $V_{mp}$ )	37.30	37.50	37.70	37.90	38.10		
Current at Nominal Power ( $I_{mp}$ )	7.60	7.62	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		Engineering Drawings
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 <sup>2</sup> (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

