

# High Efficiency Monocrystalline Solar Modules



## SLN-96G1 Mono PERC-515/520/525

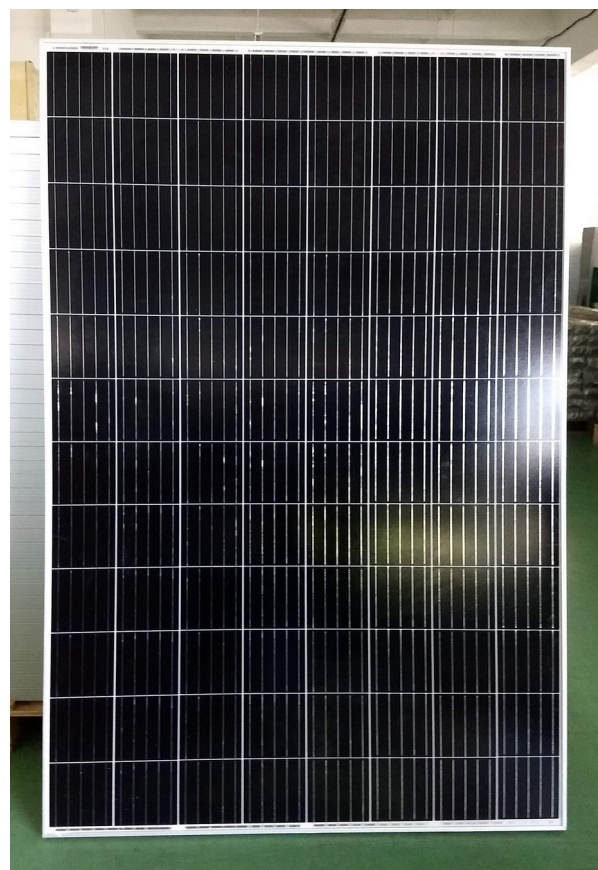
### SOLARON: The name to be trusted

SLN-96G1 Mono PERC-XXX is a solar module with 96 high efficiency PERC mono-crystalline solar cells. 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

- 5 Busbar solar cell design
- Dual stage 100% EL Inspection warranting defect-free product
- Innovative PERC cell technology
- High quality potted junction box for long life time



The measurement of modules is calibrated by Fraunhofer ISE.

### MANAGEMENT SYSTEM



ISO 9001

Quality management system

ISO 14001

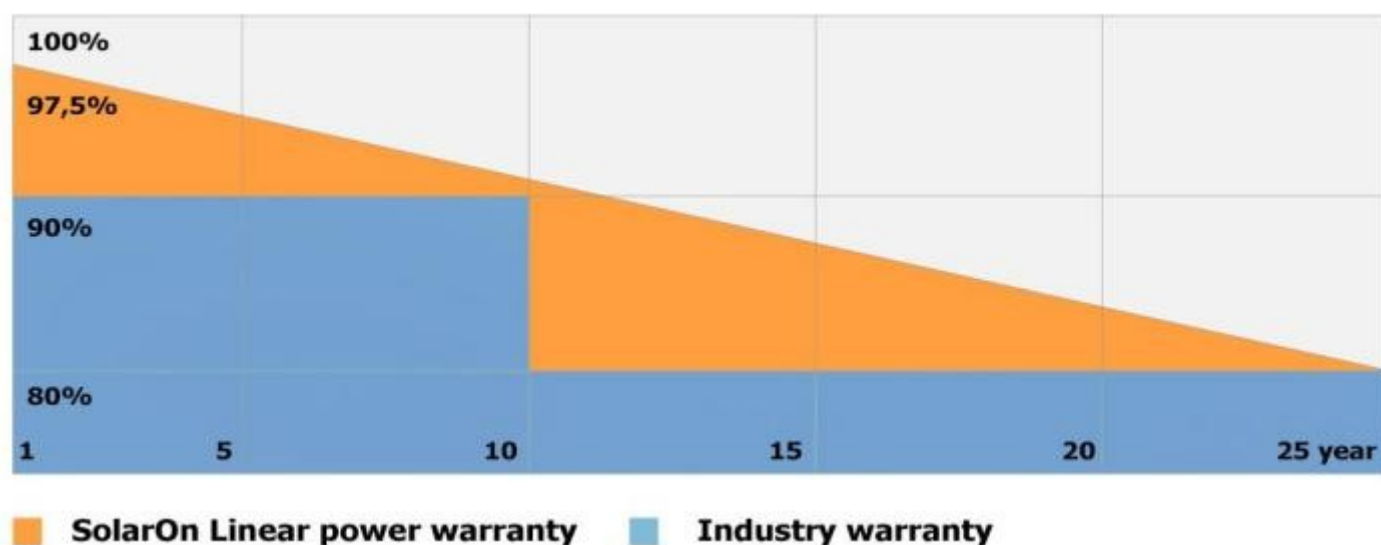
Standard for environmental management system

OHSAS 18001

International standard for occupational health and safety assessment system

### WARRANTY

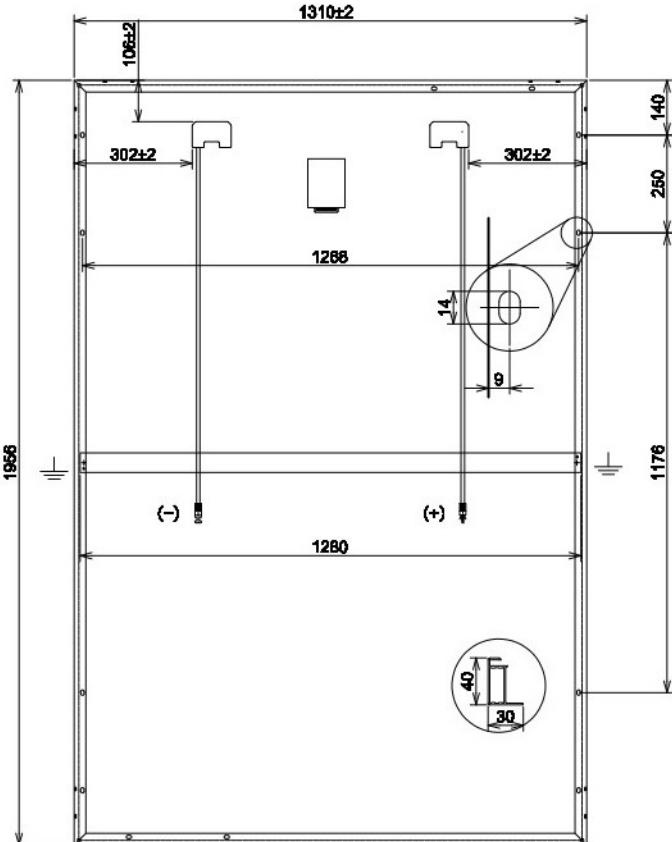
- 25 - year linear power output warranty,
- 12 year material and workmanship warranty



Electrical characteristics at STC				Temperature & Maximum operation	
Nominal Power ( $P_{max}$ )	515	520	525	(NMOT)	$43^{\circ}\text{C} \pm 2^{\circ}\text{C}$
Open Circuit Voltage ( $V_{oc}$ )	65.50	65.58	65.66	Temperature coeff $P_{max}$	$-0.37\% / ^{\circ}\text{C}$
Short Circuit Current ( $I_{sc}$ )	9.97	10.21	10.45	Temperature coeff $V_{oc}$	$-0.34\% / ^{\circ}\text{C}$
Voltage at Nominal Power ( $V_{mp}$ )	54.2	54.28	54.35	Temperature coeff $I_{sc}$	$0.06\% / ^{\circ}\text{C}$
Current at Nominal Power ( $I_{mp}$ )	9.52	9.60	9.68	Maximum System Voltage	1000V
Module Efficiency	20.1%	20.3%	20.4%	Maximum Series Fuse Rating	15A
Electrical characteristics at NMOT				Maximum Snow Load	2400 Pa
Nominal Power ( $P_{max}$ )	385	389	393	Maximum Wind Load	2400 Pa
Open Circuit Voltage ( $V_{oc}$ )	61.5	61.58	61.64	Maximum operating temperature	$-40^{\circ}\text{C} \text{ } +80^{\circ}\text{C}$
Short Circuit Current ( $I_{sc}$ )	7.97	8.21	8.4		
Voltage at Nominal Power ( $V_{mp}$ )	50.8	50.9	51		
Current at Nominal Power ( $I_{mp}$ )	7.62	7.7	7.78		

\*STC : Irradiance 1000 W/m<sup>2</sup>, Cell temperature 25°C, AM1.5.; \*NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s; \*Specifications are subject to change without notice

\*Power manufacturing tolerance: -0%; + 3% ; \*Short Circuit Current Tolerance:  $\pm 3\%$  ; \*Open Circuit Voltage Tolerance:  $\pm 3\%$

Construction materials		Engineering Drawings
Solar cells	Monocrystalline PERC 5BB 158.75x158.75 mm	
Cell configuration	96 cells (8x12)	
Front cover	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Back cover	White Backsheet, TPT	
Frame	Anodized Aluminum	
J-Box	IP67, 1000DC, 4 bypass diodes	
Cables	4.0mm <sup>2</sup> (12AWG). 1200mm length (customer demand)	
Connector	IP67 MC4 compatible	
Module dimension	1956x1310x40 mm	
Module weight	28 kg	
Packaging Information		
Quantity/Pallet		
Pallets/Container (40'HC)		
Quantity/Container (40'HC)		

