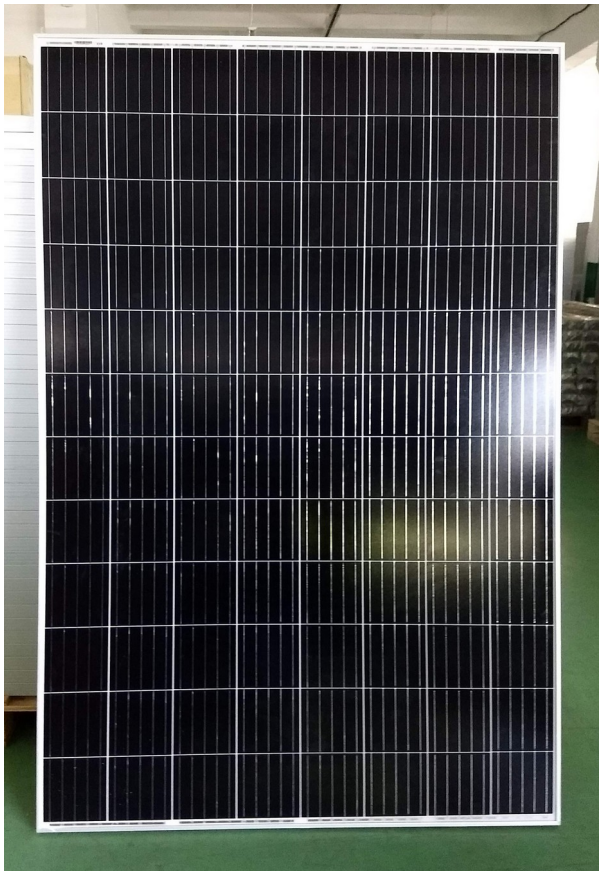
High Efficiency Monocrystalline Solar Modules

SOLARON
CONNECT TO THE SUN

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**

Fraunhofer ISE

The measurement of modules is calibrated by Fraunhofer ISE.

MANAGEMENT SYSTEM

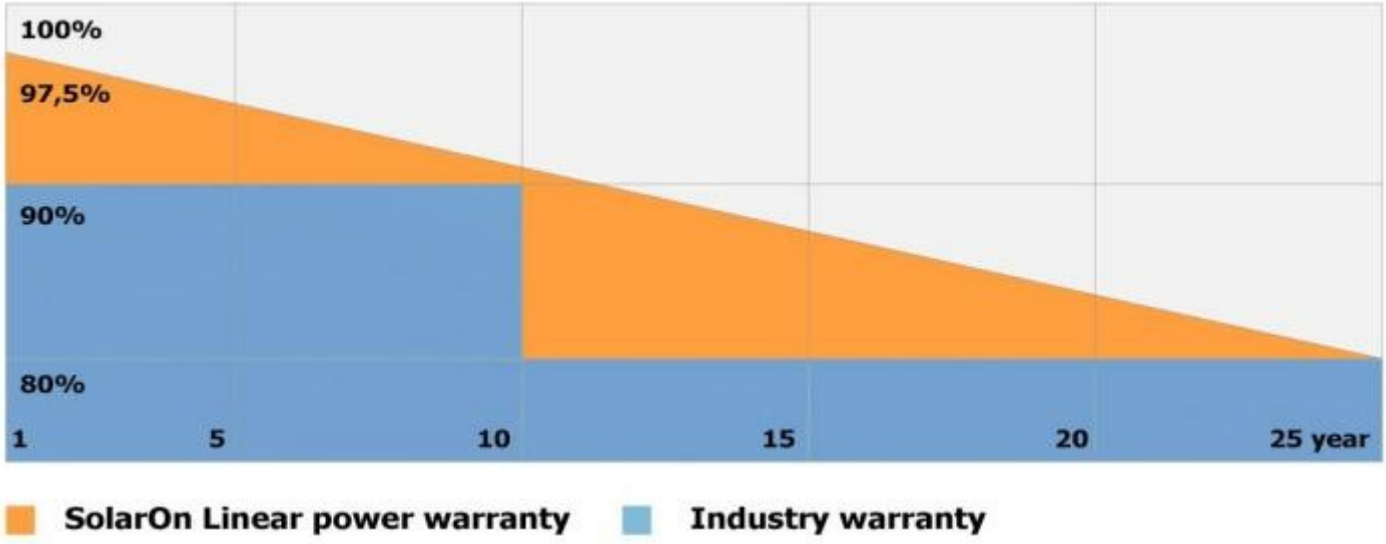
TÜV InterCert SAAR

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



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Electrical characteristics at STC			
Nominal Power (P_{max})	515	520	525
Open Circuit Voltage (V_{oc})	65.50	65.58	65.66
Short Circuit Current (I_{sc})	9.97	10.21	10.45
Voltage at Nominal Power (V_{mp})	54.2	54.28	54.35
Current at Nominal Power (I_{mp})	9.52	9.60	9.68
Module Efficiency	20.1%	20.3%	20.4%

Electrical characteristics at NMOT			
Nominal Power (P_{max})	385	389	393
Open Circuit Voltage (V_{oc})	61.5	61.58	61.64
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

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	1000V
Maximum Series Fuse Rating	15A
Maximum Snow Load	2400 Pa
Maximum Wind Load	2400 Pa
Maximum operating temperature	-40ºC +80ºC

*STC : Irradianc 1000 W/m², Cell temperature 25°C, AM1.5,; *NMOT: Irradiance at 800W/m2, Ambient Temperature 20°C, Wind Speed 1m/s; *Specifications are subject to change without notice
*Power manufacturing tolerance: -0%; + 3% ; *Short Circuit Current Tolerance: ± 3% ; *Open Circuit Voltage Tolerance: ± 3%

Construction materials

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	4.0mm² (12AWG). 1200mm length (customer demand)
Connector	IP67 MC4 compatible
Module dimension	1956x992x40 mm
Module weight	28 kg

Packaging Information

Quantity/Pallet

Pallets/Container (40'HC)

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Engineering Drawings