

# High Efficiency Monocrystalline Solar Modules

**SLN-72 Mono PERC-360/365/370/375/380**



## SOLARON: The name to be trusted

SLN-72 Mono-XXX is a solar module with 72 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**

**Positive power tolerance 0 ~ +3%**

**Innovative PERC cell technology**

**High quality potted junction box for long life time**

## MANAGEMENT SYSTEM



**ISO 9001**

**Quality management system**

**ISO 14001**

**Standard for environmental management system**

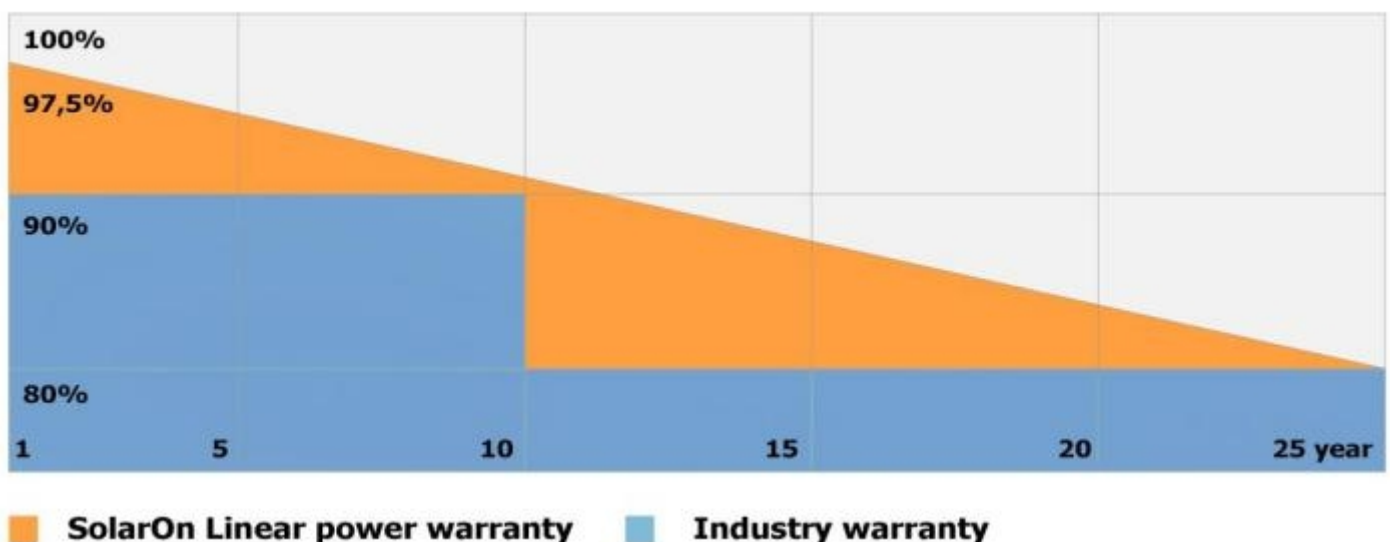
**OHSAS 18001**

**International standard for occupational health and safety assessment system**

## WARRANTY

**25 - year linear power output warranty,**

**12 year material and workmanship warranty**



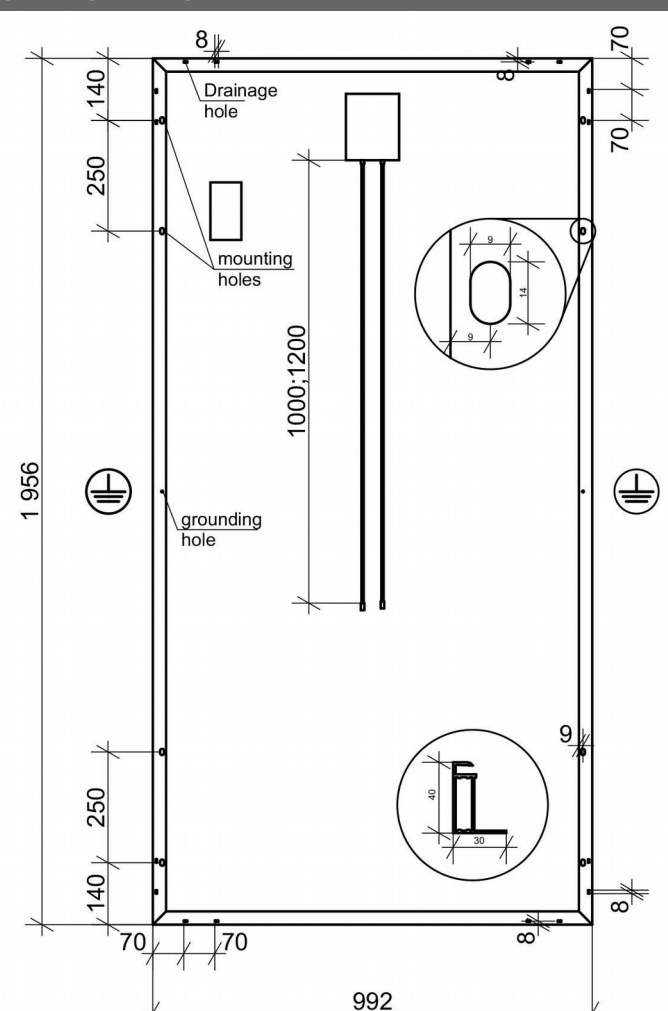
Electrical characteristics at STC (power manufacturing tolerance 0 ~ +3%)						Temperature & Maximum operation	
Nominal Power ( $P_{max}$ )	360	365	370	375	380	(NMOT)	43°C ± 2°C
Open Circuit Voltage ( $V_{oc}$ )	48.40	48.56	48.72	48.88	48.96	Temperature coeff $P_{max}$	-0.37% / °C
Short Circuit Current ( $I_{sc}$ )	9.62	9.69	9.76	9.83	9.91	Temperature coeff $V_{oc}$	-0.34% / °C
Voltage at Nominal Power ( $V_{mp}$ )	39.85	40.02	40.19	40.36	40.48	Temperature coeff $I_{sc}$	0.06% / °C
Current at Nominal Power ( $I_{mp}$ )	9.15	9.23	9.31	9.39	9.48	Maximum System Voltage	1000V
Module Efficiency	18.55%	18.81%	19.07%	19.33%	19.58%	Maximum Series Fuse Rating	15A
Electrical characteristics at NMOT						Maximum Snow Load	5400 Pa
Nominal Power ( $P_{max}$ )	270	274	278	282	286	Maximum Wind Load	2400 Pa
Open Circuit Voltage ( $V_{oc}$ )	44.6	44.7	44.83	45.1	45.37	Maximum operating temperature	-40°C +80°C
Short Circuit Current ( $I_{sc}$ )	7.80	7.86	7.92	7.98	8.04		
Voltage at Nominal Power ( $V_{mp}$ )	36.92	37.41	37.41	37.72	38.02		
Current at Nominal Power ( $I_{mp}$ )	7.39	7.50	7.59	7.65	7.71		

\*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 measurement tolerance: ± 3%

Construction materials		Engineering Drawings	
Solar cells	Monocrystalline 5BB 156.75x156.75 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	IP67, 1000DC, 3 bypass diodes		
Cables	4.0mm² (12AWG). 1200mm length (customer demand)		
Connector	IP67 MC4 compatible		
Module dimension	1956x992x40 mm		
Module weight	22 kg		
Engineering Drawings			
Quantity/Pallet	27		
Pallets/Container (40'HC)	24		
Quantity/Container (40'HC)	648		

