

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

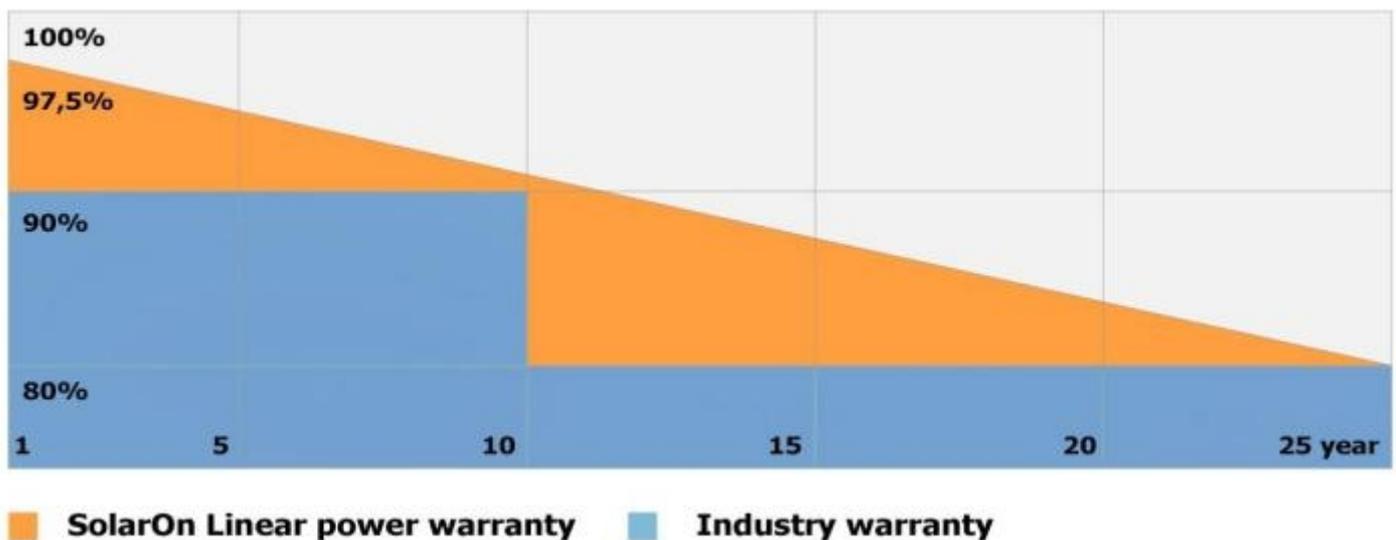
MANAGEMENT SYSTEM



- 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/m², Cell temperature 25°C, AM1.5,

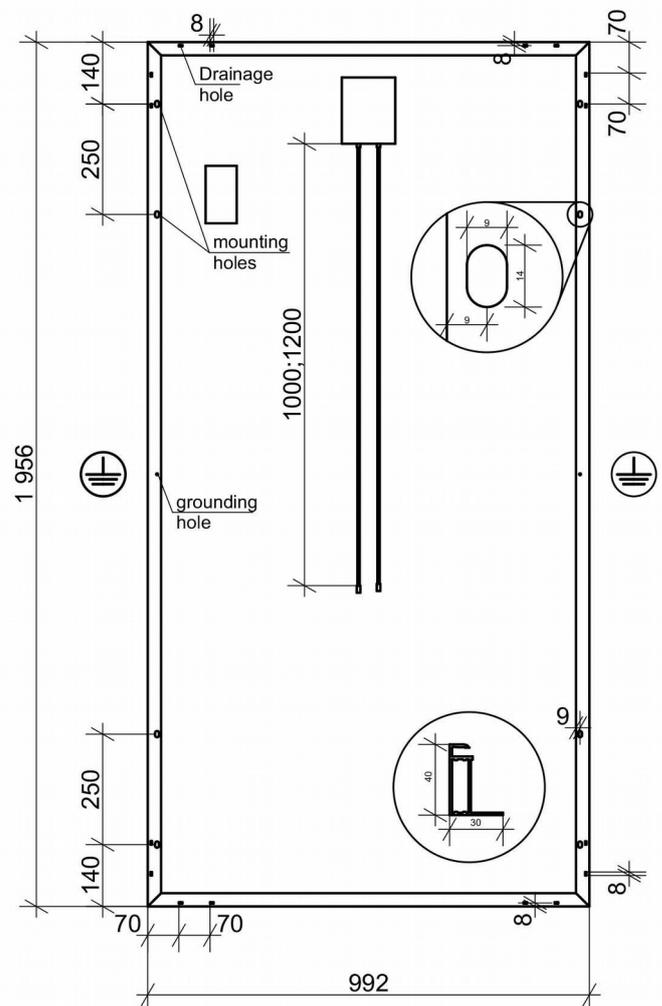
*NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

*Specifications are subject to change without notice

*Power measurement tolerance: ± 3%

Construction materials	
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	4.0mm ² (12AWG), 1200mm length (customer demand)
Connector	IP67 MC4 compatible
Module dimension	1956x992x40 mm
Module weight	22 kg

Engineering Drawings



Engineering Drawings	
Quantity/Pallet	27
Pallets/Container (40'HC)	24
Quantity/Container (40'HC)	648

