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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Profpanel LLC  
SLN-72P 310-320  
SLN-72P-310**

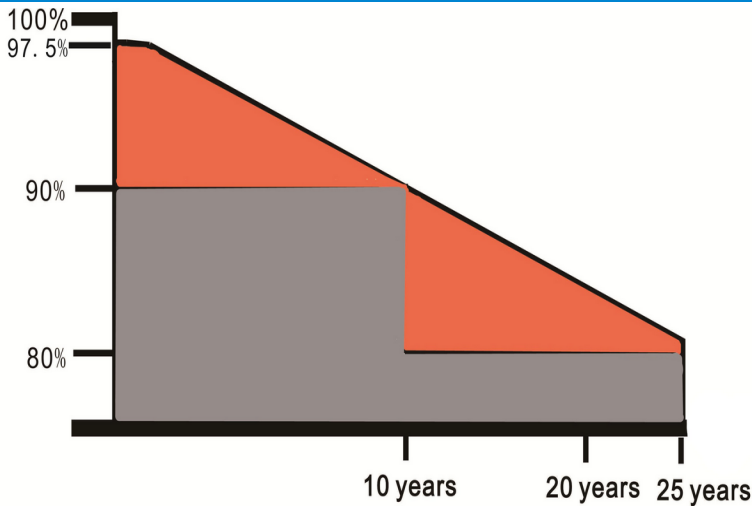
Also available on the web at  
[EnergyPal.com/profpanel-llc-solar-panels/sln-72p-310](http://EnergyPal.com/profpanel-llc-solar-panels/sln-72p-310)

# SLN-72 Poly-310/315/320



SLN-72 Poly-XXX is a solar module with 60 polycrystalline 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.

## Industry-leading warranty



- 25 year transferable power output warranty: 10 year/90%; 25 year / 80%
- Based on nominal power
- 12 year material and workmanship warranty



## Electrical characteristics STC

	310W	315W	320W
Nominal Power ( $P_{max}$ )	310W	315W	320W
Open Circuit Voltage ( $V_{oc}$ )	46.23	46.26	46.32
Short Circuit Current ( $I_{sc}$ )	8.85	8.88	8.92
Voltage at Nominal Power ( $V_{mp}$ )	37.40	37.83	37.93
Current at Nominal Power ( $I_{mp}$ )	8.36	8.40	8.45
Module Efficiency	16%	16.2%	16.5%
Operating Temperature	-45°C+85°C		
Maximum System Voltage	1000 V		
Maximum Series Fuse Rating	15 A		

**STC : Irradiance 1000 W/m<sup>2</sup>, Cell temperature 25°C, AM1.5**

## Temperature coefficients

Current (% °K)	0.0527
Voltage (% °K)	-0.3260
Power (% °K)	-0.3970

## Features

- High module conversion efficiency (up to )
- Guaranteed 0~ +5W positive power output tolerance ensure high reliability
- Excellent performance under low light environments (morning, evening, and cloudy days)

## Construction materials

Solar cells	Polycrystalline 156.75x156.75 mm
Cell configuration	72 cells (12x6)
Module dimension	1956x992x40 mm
Weight	22 kg
Front cover	3.2mm, high transmission, low iron, tempered glass
Back cover	Wight backsheet, TPT
Frame	Anodized aluminum
J-Box	IP67, 1000DC, 3 bypass diods
Cables	4.0mm (12AWG). 1000Mm length (customer demand)
Connector	IP67 MC4 compatible

