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Solar Panel Guide Specification Data Sheet

**Indosolar Ltd.
ISL SONA 72P
ISLM-315**

Also available on the web at
EnergyPal.com/indosolar-ltd-solar-panels/islm-315

DATASHEET

ISL SONA SERIES

300/305/310/315/320W

POLY CRYSTALLINE MODULE
(72 CELLS)



**BUILT TO LAST
35 YEARS**

Our top quality promises
• 35 Year product life
• 25 Year performance warranty

**10 YEAR PRODUCT
WARRANTY**

**16.7%
MAX EFFICIENCY**



Indosolar provides high-quality PV modules for residential, commercial and utility-scale installations. We utilize the highest-quality raw materials, sourced through global supply chains & manufactured in fully automated European Lines. Our modules are tested under harsh conditions to ensure best performance for 25 years.

Certifications and Standards



INDIA

3C/1, EcoTech-II, Udyog Vihar,
Greater Noida-201 306,
Dist: Gautam Budh Nagar, (U.P.) INDIA

www.indosolar.co.in

KEY FEATURES



Power Plus: Positive performance tolerance



Lower Annual Power Degradation & more system power yield over lifetime



High Power Output
Polycrystalline 72-cell module achieves a power output up to 315Wp.



Durability against extreme environmental conditions
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Manufactured according to International Quality and Environment Management System Standards ISO9001, ISO14001

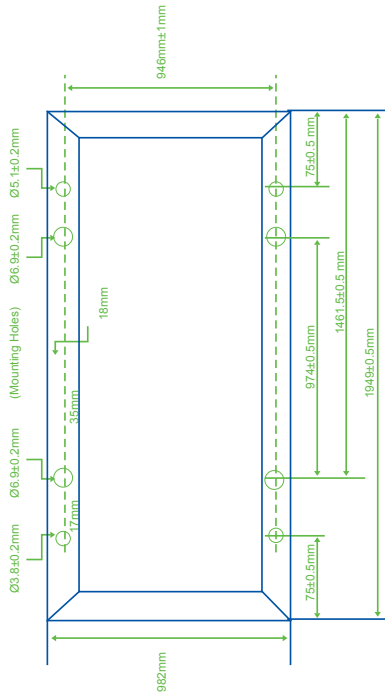


PID- free Module
Limited power degradation of module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.



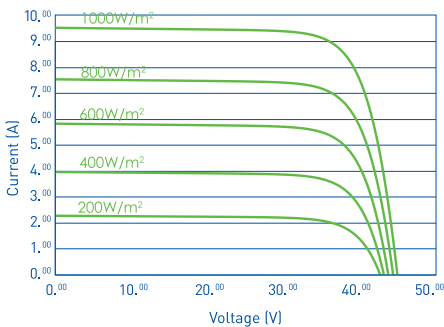
Glass with anti-reflective coating
To maximize sunlight potential

Dimensions of ISL 300/305/310/315/320



BACK VIEW

I-V CURVES OF PV MODULE ISLM-320



ELECTRICAL DATA @ STC

	ISLM-300	ISLM-305	ISLM-310	ISLM-315	ISLM-320
Peak Power Watts-Pmax (Wp)	300	305	310	315	320
Power Output Tolerance-Pmax (%)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-Vmp (V)	36.5	36.6	36.7	36.8	37.0
Maximum Power Current-Imp (A)	8.22	8.33	8.45	8.56	8.65
Open Circuit Voltage-Voc (V)	45.0	45.1	45.2	45.3	45.4
Short Circuit Current-Isc (A)	8.89	9.01	9.14	9.29	9.42
Module Efficiency (%)	15.67	15.93	16.19	16.46	16.71

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C).
Power measurement tolerance: ±5 W

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1949 × 982.20 × 35mm (76.73 × 38.67 × 1.38 inches)
Weight	21.80kg (48.06 lb)
Glass	High transparency solar glass 4.0mm (0.16 inches)
Frame	Anodized aluminium alloy
J-Box	IP 67 rated
Cables	Photovoltaic Technology cable 4.0mm2 (0.006 inches2) , 1000mm (39.37 inches)
Connector	Original MC4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of Pmax	- 0.433%/°C
Temperature Coefficient of Voc	- 0.3434%/°C
Temperature Coefficient of Isc	0.0534%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)/ 600V DC(UL)
Max Series Fuse Rating	15A

WARRANTY

- 10 year Product Workmanship Warranty
- 25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

- Modules per box: 27 pieces
- Modules per 40" HC container: 594 pieces