

DATASHEET

ISL SONA SERIES

250/255/260/265/270W

POLY CRYSTALLINE MODULE
(60 CELLS)



 **BUILT TO LAST 35 YEARS**
Our top quality promises
• 35 Year product life
• 25 Year performance warranty

10 YEAR PRODUCT WARRANTY

16.8% 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 60-cell module achieves a power output up to 260Wp.



Durability against extreme environmental conditions
High salt mist and ammonia resistance certified by TÜV NORD.
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



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

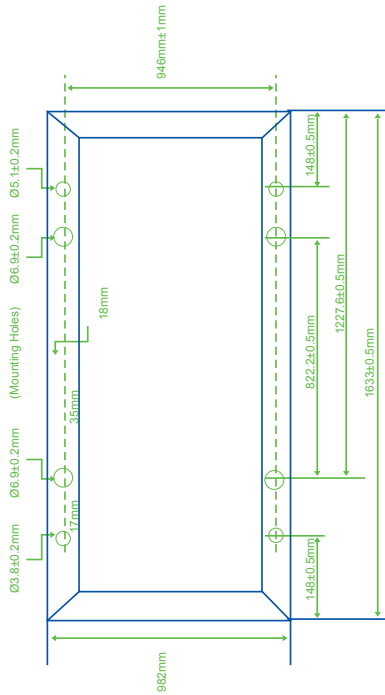


PID- free Module
Limited power degradation of module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.



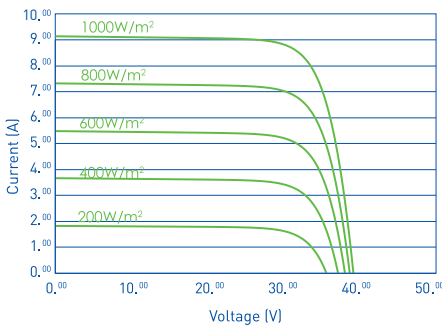
Glass with anti-reflective coating
To maximize sunlight potential

Dimensions of ISL 250/255/260/265/270



BACK VIEW

I-V CURVES OF PV MODULE ISLM-270



ELECTRICAL DATA @ STC

	ISLM-250	ISLM-255	ISLM-260	ISLM-265	ISLM-270
Peak Power Watts-Pmax (Wp)	250	255	260	265	270
Power Output Tolerance-Pmax (%)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-Vmp (V)	30.0	30.3	30.5	30.7	30.9
Maximum Power Current-Imp (A)	8.33	8.42	8.52	8.63	8.74
Open Circuit Voltage-Voc (V)	37.5	37.5	37.6	37.8	38.0
Short Circuit Current-Isc (A)	8.97	9.01	9.04	9.08	9.13
Module Efficiency (%)	15.59	15.90	16.21	16.52	16.83

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	60 cells (6 × 10)
Module dimensions	1633 × 982.2 × 35mm (64.29 × 38.67 × 1.38 inches)
Weight	18.20kg (40.12 lb)
Glass	High transparency solar glass 4.0mm (0.16 inches)
Frame	Anodized aluminium alloy
J-Box	IP 67 rated
Cables	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²) , 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: 702 pieces