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Solar Panel Guide Specification Data Sheet

**Indosolar Ltd.
ISL SONA 36P
ISLM-200**

Also available on the web at
EnergyPal.com/indosolar-ltd-solar-panels/islm-200

DATASHEET

ISL SONA SERIES

40Wp-300Wp

POLY CRYSTALLINE MODULE



 **BUILT TO LAST 35 YEARS**
Our top quality promises
+ 25 Year product life
+ 25 Year performance warranty
+ 10 Year product warranty

25 YEARS PERFORMANCE WARRANTY

10 YEARS PRODUCT WARRANTY

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



Address

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

www.indosolar.co.in

Email- distributors@indosolar.co.in

KEY FEATURES



Power Plus: Positive performance tolerance



Lower Annual Power Degradation & more system power yield over lifetime



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

DATASHEET

ISL SONA SERIES (40Wp-300Wp)

ELECTRICAL DATA & STC	ISLM-40	ISLM-50	ISLM-60	ISLM-75	ISLM-100	ISLM-150	ISLM-200	ISLM-250	ISLM-250	ISLM-300
Peak Power Watts-Pmax (Wp)	40	50	60	75	100	150	200	250	250	30
System Voltage (V)	12	12	12	12	12	12	12	12	24	24
Maximum Power Voltage-Vmp (V)	17.8	17.8	17.8	17.8	17.8	18.77	17.8	18.77	30	36.5
Maximum Power Current-Impp (A)	2.25	2.81	3.38	4.21	5.62	7.99	11.24	13.32	8.33	8.22
Open Circuit Voltage-Voc (V)	21.6	21.6	21.6	21.6	21.6	22.42	21.6	22.8	37.5	45
Short Circuit Current-Isc (A)	2.33	3.08	3.59	4.59	6.17	8.55	12.34	13.9	8.97	8.89
Power Output Tolerance-Pmax (%)	Positive Tolerance Only									

MECHANICAL DATA	ISLM-40	ISLM-50	ISLM-60	ISLM-75	ISLM-100	ISLM-150	ISLM-200	ISLM-250	ISLM-250	ISLM-300
Solar Cells	Poly/Multi-Crystalline									
Dimension (MM)	470X665	540X665	640x665	775x665	1007x665	1475x665	1325x982	1633x982	1633x982	1949x982
Weight (KG)	4.5	5	5.8	7.4	10	12.7	14.8	16.68	17.7	21
Glass	High transparency solar glass 4.0 (0.16inches)									
Frame	Anodized aluminium alloy									
J-Box	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 67	IP 67

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of Pmax	-0.433%/°C
Temperature Coefficient of PVoc	-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	5A,10A,15A



Authorised CP/Dealer: