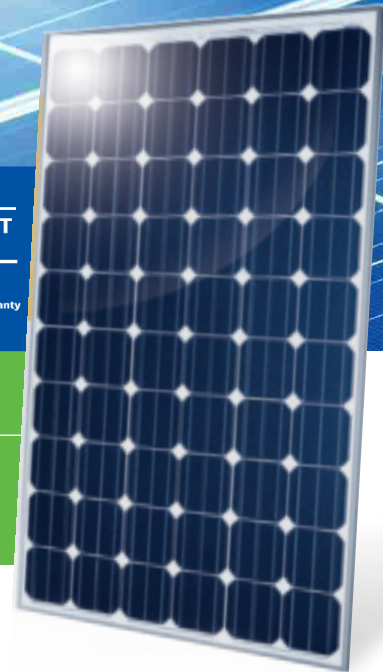


# DATASHEET

## ISL SAPPHIRE SERIES

### 260/270/280/285W

MONO 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**

**17.8%  
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.

#### INDIA

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

[www.indosolar.co.in](http://www.indosolar.co.in)

## KEY FEATURES



**Power Plus: Positive performance tolerance**



**Lower Annual Power Degradation & more system power yield over lifetime**



**High Power Output**

Monocrystalline 60-cell module achieves a power output up to 280Wp.



**Durability against extreme environmental conditions**

High salt mist and ammonia resistance certified by TUV 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 Modules.**

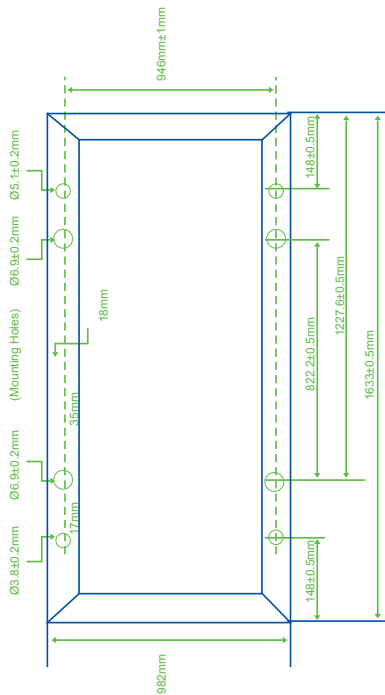
Limited power degradation of module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.



**Glass with anti-reflective coating**

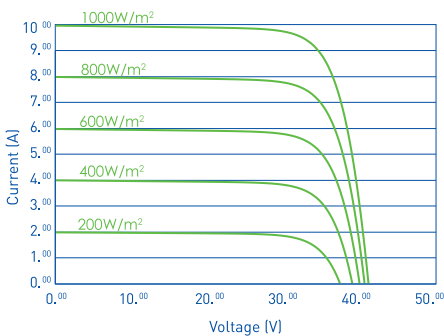
To maximize sunlight potential

## Dimensions of ISL 260/270/280/285



BACK VIEW

## I-V CURVES OF PV MODULE ISLM-285



### ELECTRICAL DATA @ STC

	ISLM-260 M	ISLM-270 M	ISLM-280 M	ISLM-285 M
Peak Power Watts-Pmax (Wp)	260	270	280	285
Power Output Tolerance-Pmax (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-Vmp (V)	30.6	30.9	31.2	31.5
Maximum Power Current-Imp (A)	8.50	8.74	8.97	9.04
Open Circuit Voltage-Voc (V)	38.9	39.2	39.5	39.8
Short Circuit Current-Isc (A)	9.25	9.44	9.71	9.98
Module Efficiency (%)	16.21	16.83	17.46	17.76

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C).  
Power measurement tolerance: ±5 W

### MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156mm (6 inches)
Cell orientation	60 cells (6 × 10)
Module dimensions	1633 X 982.2 × 35mm (64.29 × 38.67 × 1.38 inches)
Weight	18.2 kg (39.68 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 <sup>2</sup> (0.006 inches <sup>2</sup> ) , 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