

TOPCon PV Module

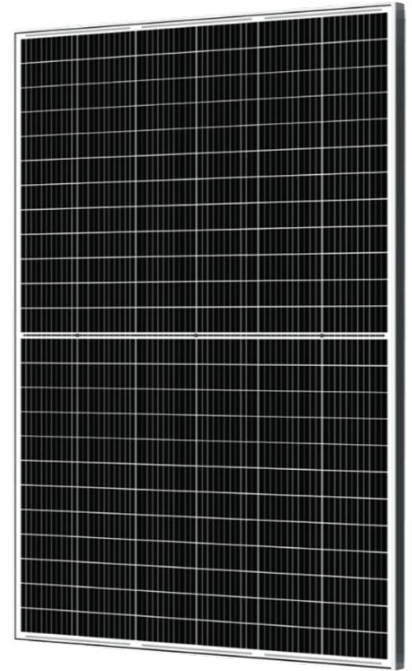
Bifacial Glass-Glass Configuration

132 Cut Cell 16 BB

INDOSOL SOLAR is one of India's leading, fully automated solar module manufacturer, with core competency in high-efficiency PV module manufacturing. INDOSOL SOLAR modules are best-in-class in power output and long-term reliability.

Key Features

-  Higher Efficiency
-  Lower Temperature Coefficient
-  Lower Degradation
-  Less Hot Spot Shading Effects
-  Outstanding Power Generation
-  Enhanced Bifacial Factor
-  PID Free/ Low LID Protection
-  Exceptional Mechanical Resistance



Model No: ISTD3M16BN4590

22.84%

Maximum Efficiency

590Wp

Maximum Power Output

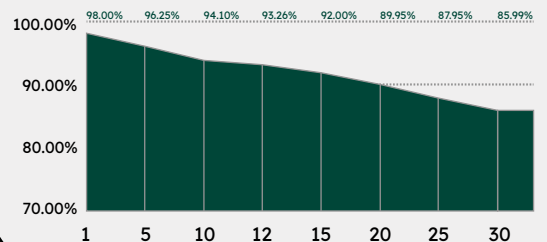
12 Years

Product Warranty

30 Years

Performance Warranty

Performance Warranty



MADE IN INDIA



Utility



Industrial



Commercial



Residential

Certifications



ALMM
Approved List of Models and Manufacturers



IEC 61215 | IEC 61730 (Part 1&2) | IEC 61701
IEC 62716 | IEC 62804 | IEC 61853 | IEC 60068
ISO 9001:2015 | CE

TOPCon Bifacial Glass to Glass Module

Specifications (STC)

Maximum Power – Pmax [Wp]	590	585	580	575	570
Maximum Power Voltage – Vmp [V]	44.15	44.11	44.07	44.03	43.99
Maximum Power Current – Imp [A]	13.37	13.27	13.17	13.06	12.96
Open-circuit Voltage – Voc [V]	51.42	51.38	51.34	51.30	51.26
Short-circuit Current – Isc [A]	14.04	13.93	13.83	13.71	13.61
Module Efficiency STC [%]	22.84	22.65	22.46	22.25	22.06
Power Tolerance	0 to +5 W				
Temperature Coefficients of Pmax	-0.34 %/°C				
Temperature Coefficients of Voc	-0.26 %/°C				
Temperature Coefficients of Isc	+0.05 %/°C				

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Mechanical Characteristics

Cell Type	TOPCon 182.2*183.75 mm
No. of cells	132 (11 x 12)
Dimensions	2278.5 x 1134.5 x 30*32 & 30*15mm
Weight	29 Kg
Front & Rear Glass	2 mm, low iron glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated (3 bypass diodes)
Safety Class	Class II
IEC Fire Type	Class A
Connector Type	MC4
Output Cables	4mm ²
Encapsulate	PID Free & UV Resistant

Packaging Specification

Pallet Dimensions	2304 x 1121 x 1006 mm
Packing detail (Two pallets=One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container, (20 pallets x 36 pcs)

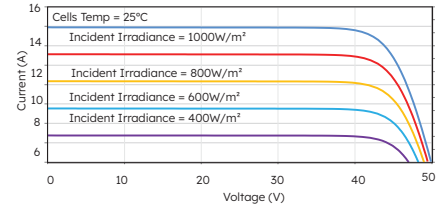
Application Conditions

Operating Temperature	-40 °C to +85°C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	25 A

NOTE: Please read safety and installation instructions before using the product.

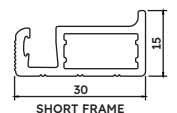
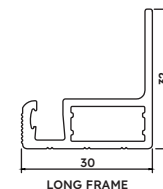
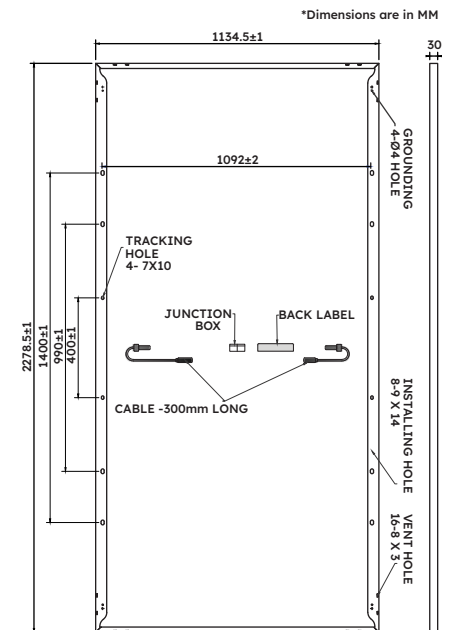
Disclaimer : Specifications are subject to change without prior notice owing to continuous innovation in the Product Development. INDOSOL SOLAR reserves the right to make any adjustment to the information described here. T&C Apply

Electrical Performance



Current Vs Voltage Curve

Design Specifications



For more details please scan

