

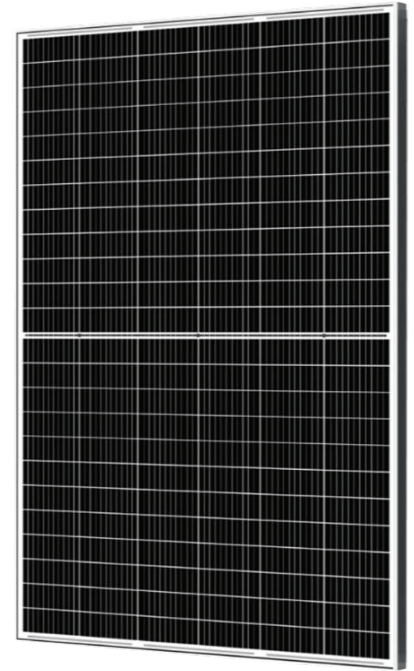
Mono PERC PV Module

Bifacial Glass-Glass Configuration

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 terms of 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 |



21.3%

Maximum Efficiency

550Wp

Maximum Power Output

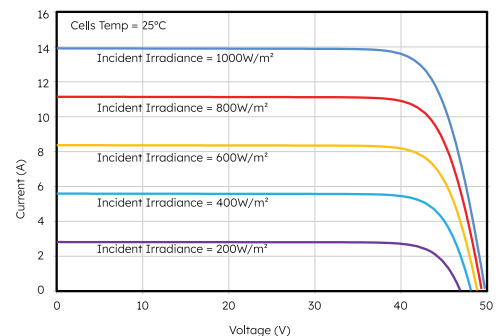
12 Years

Product Warranty

30 Years

Performance Warranty

PV Module: 144MB10BB



Current Vs Voltage Curve

MADE IN INDIA



Industrial



Residential



Utility



**144 cut cell
10 BB**

Certifications



ALMM
Approved List of Models and Manufacturers



IEC 62726 | IEC TS 62804-1:2015 (PID) | CE
IEC 61701 (Salt Mist) | ISO 9001:2015

Mono PERC Bifacial Glass to Glass Module

Specifications (STC)

Maximum Power – Pmax [Wp]	550	545	540	535	530
Maximum Power Voltage – Vmp [V]	41.25	41.16	41.07	40.98	40.89
Maximum Power Current – Imp [A]	13.34	13.25	13.16	13.06	12.97
Open-circuit Voltage – Voc [V]	49.75	49.67	49.59	49.51	49.43
Short-circuit Current – Isc [A]	14.01	13.91	13.82	13.71	13.62
Module Efficiency STC [%]	21.3	21.1	20.9	20.7	20.5
Power Tolerance	0 to +5 W				
Temperature Coefficients of Pmax	-0.36 %/°C				
Temperature Coefficients of Voc	-0.304 %/°C				
Temperature Coefficients of Isc	+0.05 %/°C				

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

Mechanical Characteristics

Cell Type	Mono PERC 182 mm
No. of cells	144 (6 x 24)
Dimensions	2278 x 1134 x 35 mm
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 C
Connector Type	MC4
Output Cables	4mm ²
Encapsulate	PID Free & UV Resistant

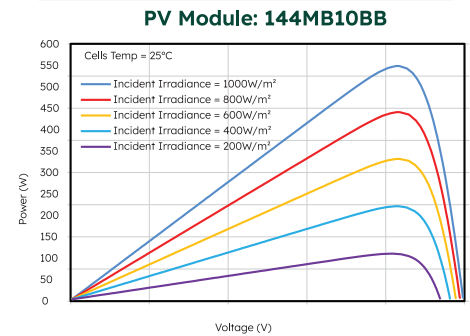
Packaging Specification

Pallet Dimensions	2304 × 1121 × 1006 mm
Packing detail (Two pallets=One stack)	31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container, (20 pallets × 31 pcs)

Application Conditions

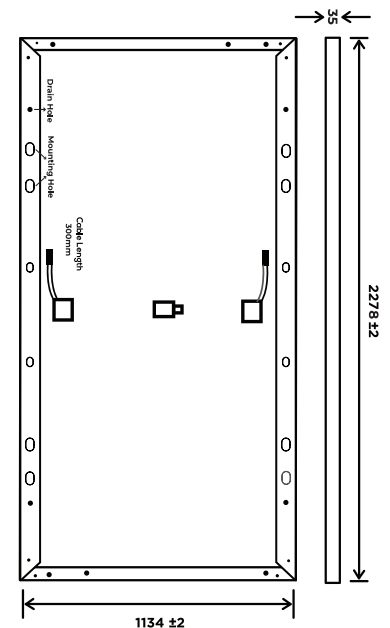
Operating Temperature	-40 °C to +85°C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	25 A

Electrical Performance

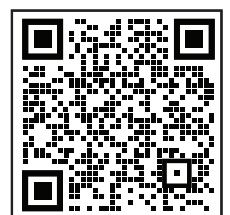


Power Vs Voltage Curve

Design Specifications



For more details
please scan



NOTE: Please follow 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