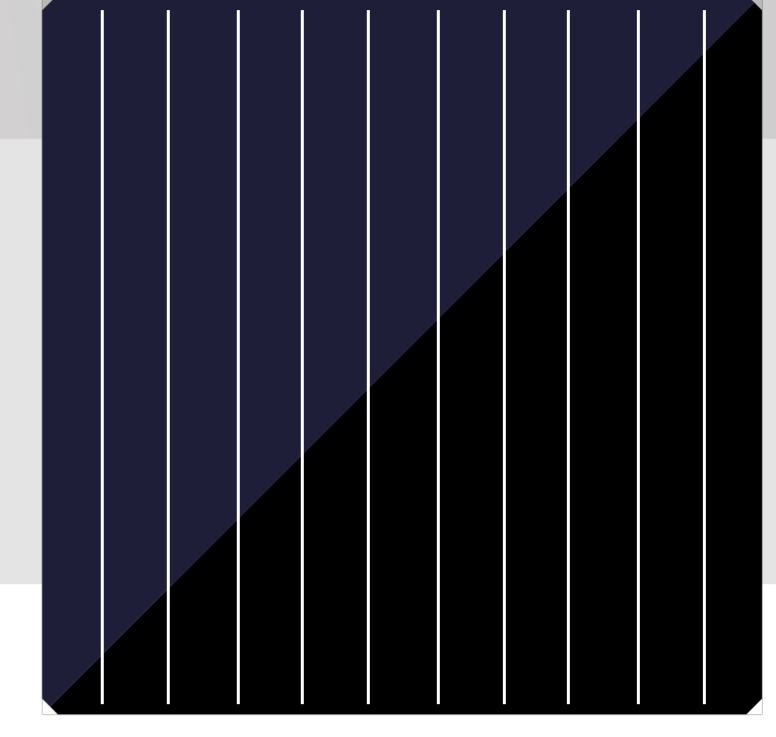
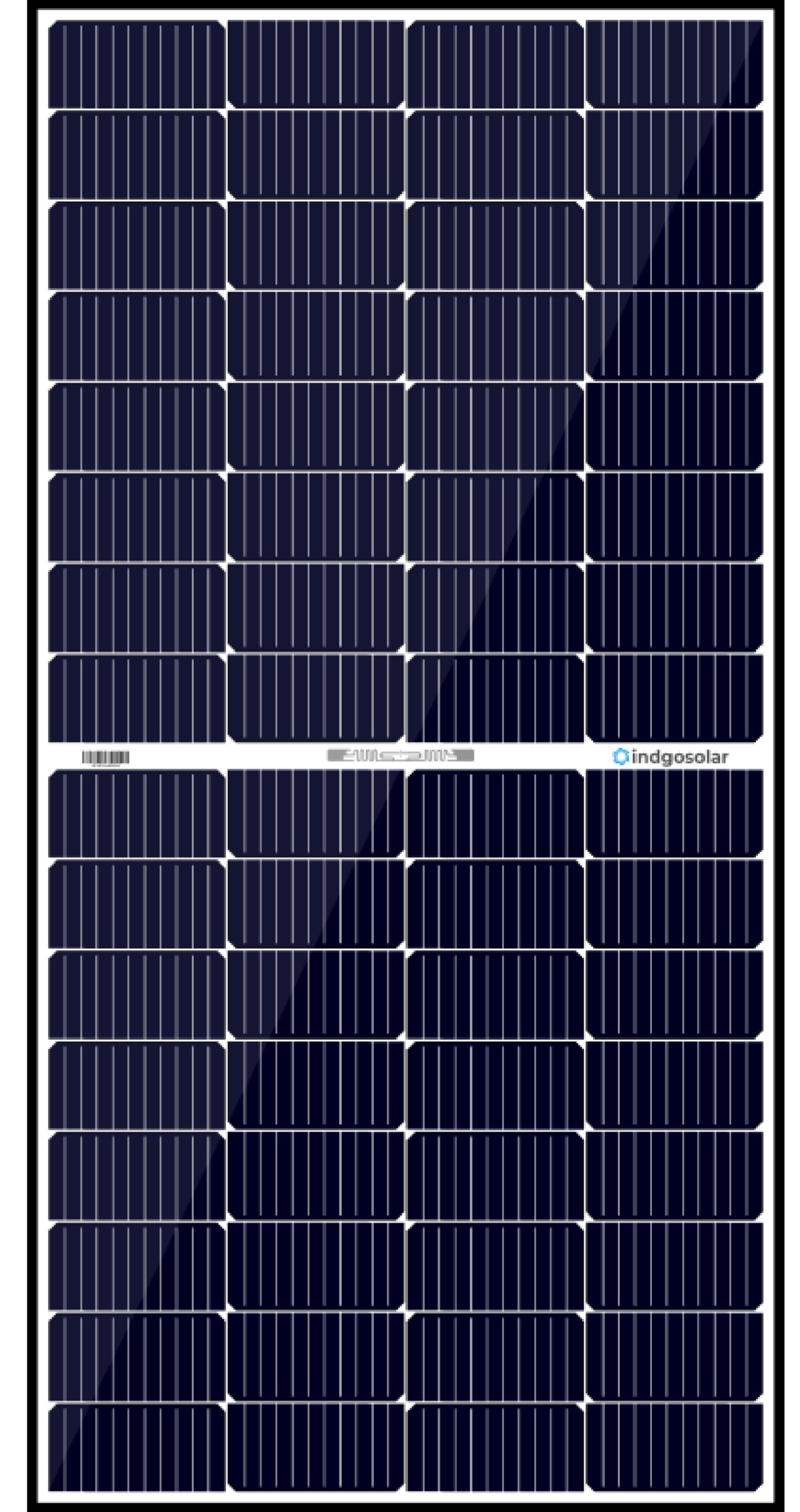


INDGO SOLAR 10BB Light-Weight Mono Perc PV Module

Mono PERC 10BB Half-Cut Module | 245W 12V



10BB



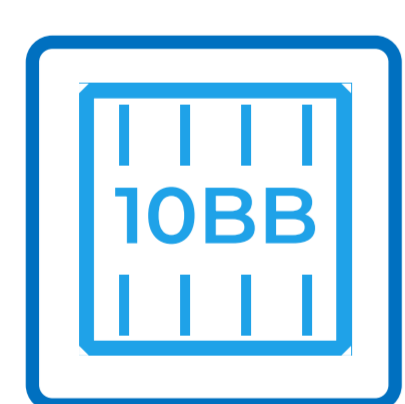
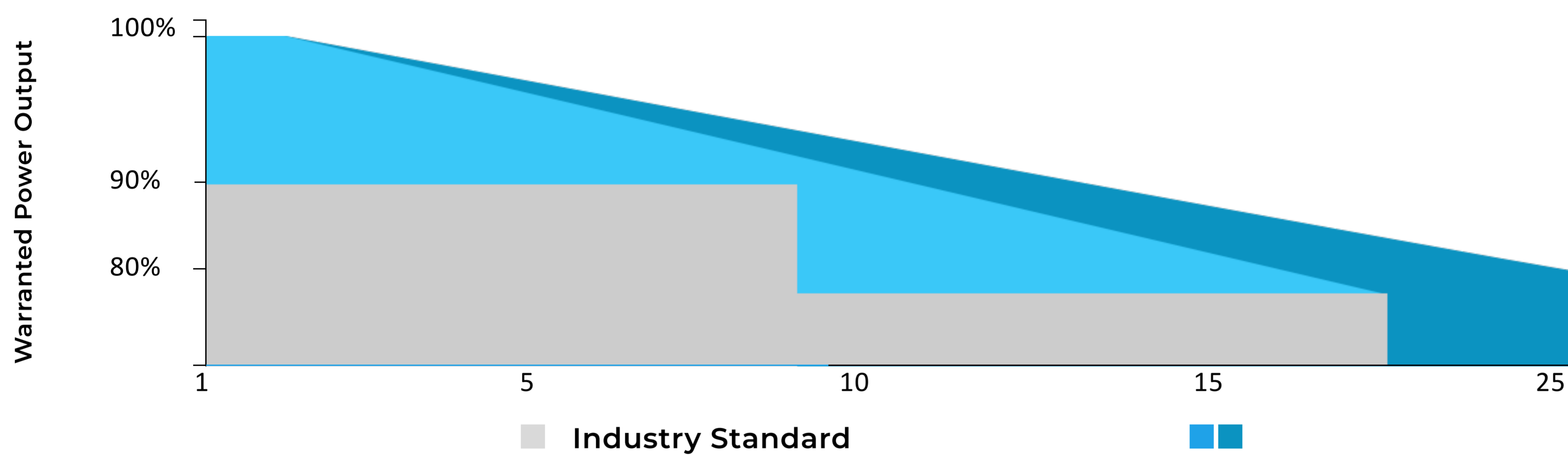
245W 12V Mono PERC 10BB Half-Cut Module

Indgo Solar panels combine high efficiency with the strongest durability and warranty available in the market today, resulting in more long-term energy and savings. Indgo Solar is the only company in India that makes solar panels using 10bb 182 mm mono perc cells in 12 volt & 24 volt solar panel design with black anodized aluminium frame.

Indgo Solar 245 watt solar panel is made of A grade Mono PERC black silicon cells to generate electricity from the sun. The cells are made of superior quality silicon which gives higher efficiency up to 23% and also performs better in low light. It is the latest panel in Mono PERC technology that comes with 10 bus bars, 66 half cut cells and 25 years linear performance warranty. IP68 rated junction box with MC4 connectors, 1 meter wire and black anodized aluminium frame is given for outside use.

Linear Performance Warranty

10 Years Product Warranty 25 Linear Power Warranty



Innovative PV module

In comparison with common double glass modules, our modules are extremely robust and superior air tightness



High Efficiency

Graphene coating can increase about 2W to the module efficiency by rising around 0.5% of the light transmission



Certified to withstand the most challenging environmental conditions

5400 Pa snow load (with safety factor 1.5)
2400 Pa wind load (with safety factor 1.5)



Better Weak Illumination Response

Lower temperature coefficient and wide spectral response, higher power output, even under low-light settings



Easy to install

The module is very light in weight so the installation is easier and transport costs are lower



Application

Indgo Solar panel perfect for charging (40AH-120AH) 12V battery and running Lead Acid and Li-Ion battery

Product Specification | INDGO SOLAR 10BB Light-Weight Mono Perc PV Module

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Electrical Properties

Maximum Power (P _{max})	245 W
Maximum Power Voltage (V _{mp})	19.60 V
Maximum Power Current (I _{mp})	12.48 A
Open Circuit Voltage (V _{oc})	22.21 V
Short Circuit Current (I _{sc})	13.48 A
Module Efficiency(%)	22.10
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	25.00 A
Cell Efficiency(%)	23.00
Application Class	A Grade

Mechanical Properties

Length of Module	1545mm
Width of Module	760mm
Thickness of Frame	35mm
Cell Type	Mono PERC 10BB Half Cut Cell
Cell Dimension	91mmx182mm
Front Cover	3.2mm High Transmission Low Iron Tempered Glass
Frame Type	Black Anodized Aluminium Frame
Junction Box	IP68
Weight	14.5 Kgs
Connector	MC4 IP68

Temperature Characteristics

Temperature Coefficient of I _{sc} (α _{Isc})	0.046%/°C
Temperature Coefficient of V _{oc} (β _{Isc})	-0.260%/°C
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.320%/°C
Normal Module Operating Temperature (NMOT)	42 +/- 2 °C

Working Conditions

Maximum System Voltage	1000 V DC
Operating Temperature	-40 °C ~ +85 °C
Maximum Series Fuse	30 A
Maximum Load Test	5400 Pa (Snow load), 2400 Pa (Wind load)

Warranty

Product Warranty**	10 Years
Performance Warranty**	Linear Power Warranty for 25 years with 2.5% for 1st year degradation and 0.50% from 2years to 25years

** Refer to Indgo Solar's warranty document for terms and conditions.

Dimensions and Structure

