

BI-FACIAL HALF CUT MONOPERC

144 Cells | 525WP to 550Wp

-  Better Efficiency
-  More Output
-  Excellent PID Resistance
-  Least degradation for LID
-  High energy yield due to bifacial factor
-  Extra rear side power gain

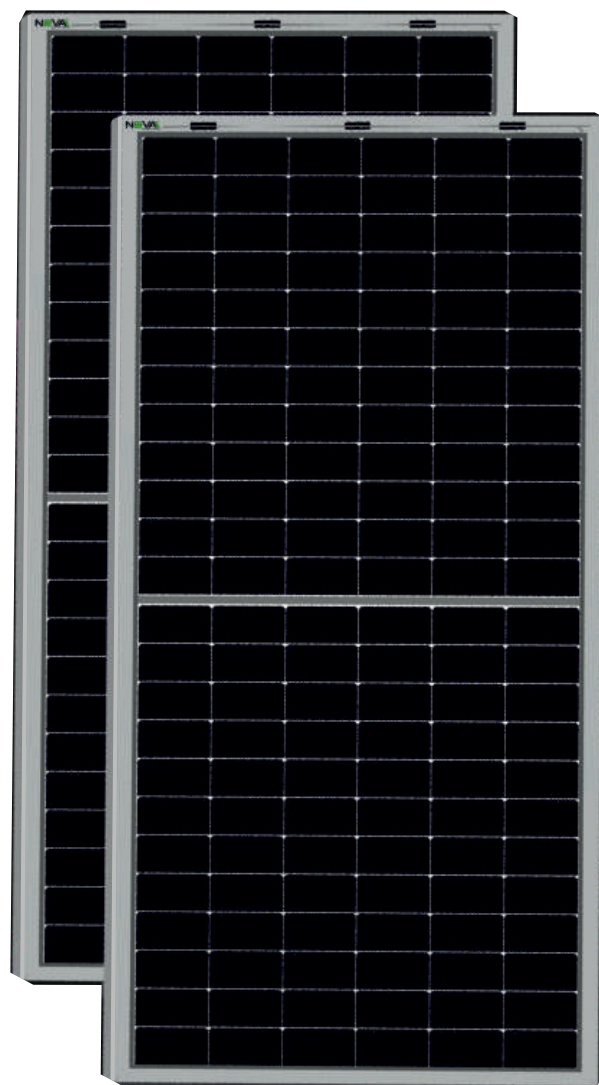
MADE IN INDIA

-  **27** YEARS Linear Performance warranty*
-  **12** YEARS Product warranty on materials and workmanship**

PRODUCT CERTIFICATES



IEC 61215 | IEC 61730 | IEC 61701 (Salt Mist) | IEC 62716 (Ammonia)
IEC 62782 (DMLT) | IEC 61853-1 & 2 (Panfile & IAM) | LID, LETID | IEC 62804 (PID)
CEC, CE | UL61730 | IEC 60068 (Sand & Dust) | IEC 62759 (Transportation)



Enhanced power output due to revolutionary design



Split junction box improves heat dissipation



Increases shade tolerance



Superior performance of half cell



Lower internal resistance

MBB, M10 MONOPERC HALF CUT MODULES 144 CELLS

144 Cells - STC

PV Module Model Name	Rated Maximum Powers at STC (Watts) Tolerance 0 to +2%	Rated Voltage @ STC/Vmp (V) Tolerance ±5%	Rated Current @ STC/Imp (A) Tolerance ±5%	Open Circuit Voltage @ STC (Voc) Tolerance ±5%	Short Circuit Current @ STC/Isc (A) Tolerance ±5%	Module Fill Factor (%) (Tolerance acc. Main)	Module Eff (%) (Positive Tolerance)
NOVA550BF144	550	40.94	13.44	49.93	13.97	78.88	21.29
NOVA545BF144	545	40.89	13.33	49.79	13.89	78.81	21.10
NOVA540BF144	540	40.83	13.23	49.61	13.83	78.73	20.90
NOVA535BF144	535	40.66	13.16	49.41	13.77	78.65	20.71
NOVA530BF144	530	40.45	13.11	49.20	13.71	78.62	20.52
NOVA525BF144	525	40.16	13.08	49.98	13.65	78.57	20.32

144 Cells - NO TC

PV Module Model Name	Rated Maximum Powers at STC (Watts)	Rated Voltage @ STC/Vmp (V)	Rated Current @ STC/Vmp (A)	Open Circuit Voltage @ STC (Voc)	Short Circuit Current @ STC/Isc (A)
NOVA550BF144	409.93	38.61	10.62	46.80	11.32
NOVA545BF144	406.20	38.50	10.55	46.67	11.25
NOVA540BF144	402.48	38.36	10.49	46.50	11.18
NOVA535BF144	398.75	38.21	10.44	46.31	11.13
NOVA530BF144	395.02	38.04	10.38	46.11	11.07
NOVA525BF144	391.30	37.87	10.33	45.91	11.01

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature coefficients of Pmax	- 0.34% / °C
Temperature coefficients of Voc	- 0.25% / °C
Temperature coefficients of Isc	+ 0.29% / °C

Mechanical Data

Dimensions (L x W x T) mm	2278 x 1134 x 35 mm
Weight (Kgs)	29 ± 0.5
Mounting Hole Distance (X-axis) mm	1092
Mounting Hole Distance (Y-axis) mm	Y1 - 990 / Y2 - 1400

General Data

Solar Cells	91 x 182
Cell Orientation	24 x 6
Module Structure	ARC Tempered Glass 3.2 mm / EVA Front and back / Transparent Backsheet PVDF 1500 V
Frame	Anodized Aluminum Alloy
Junction Box	Potted Split JB IP68
Cable & Connector	4 sq mm, 400 mm length with MC4 Connect

Maximum Ratings

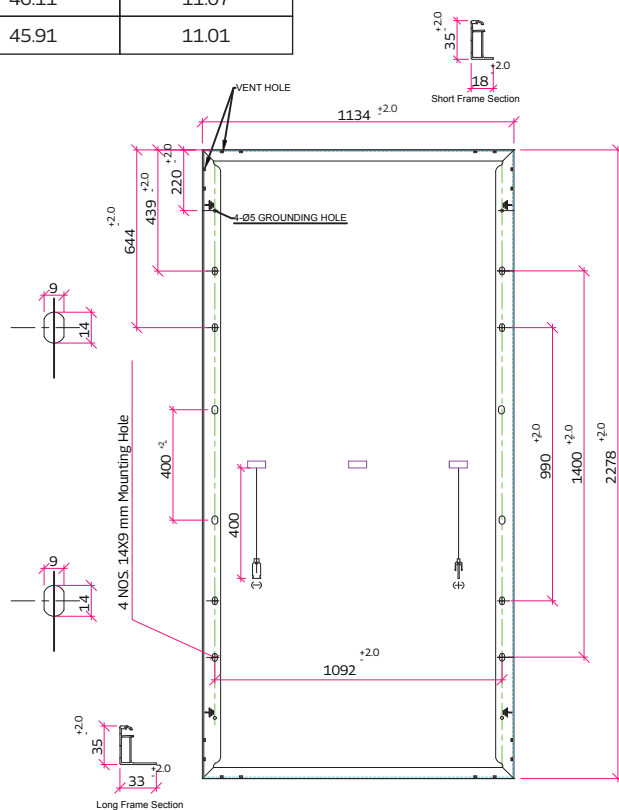
Operating Temperature	-40 to +85°C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	25 A
Application Classification	Class A
Electrical Positive Tolerance(%)	-0 to +2% with Current Binning

Under Standard Test Condition (STC) of Irradiance of 1000 w/m², Spectrum AM 1.5 and Cell Temperature of 25°C and front side testing

Under NOCT testing of Irradiance of 800 w/m², Spectrum AM 1.5 and Cell Temperature of 20°C.

Note: • Refer to module installation instructions for maximum loading configurations.
• All mechanical dimension tolerance ±2 mm.

*Listed specifications are subject to change without notice.



IV Curve

