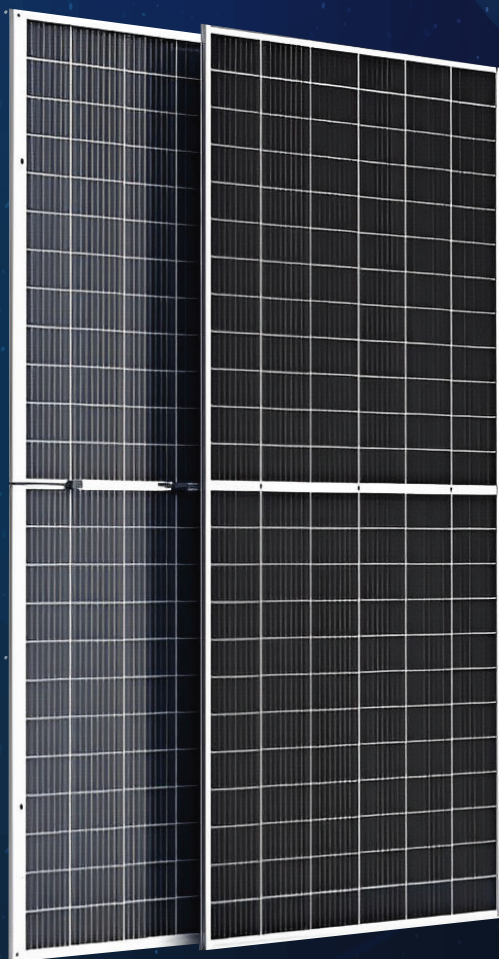


LYNX

HALF CUT N-TYPE TOPCON SERIES M10R (144 Cell)



TUNNEL OXIDE PASSIVATED CONTACT HIGHER CELL EFFICIENCY

- Cutting-edge Technology For Maximizing Energy Generation.
- Minimum LID Loss
- Superior Efficiency For Maximum Power Output.
- Better Low Light Performance
- Quick & Hassle-free Setup, Saving Your Time & Money.
- Designed To Withstand Harsh Weather Conditions.
- Longtime Performance Warranty



- 30 years warranty of linear power output
- 12 years manufacturers warranty
- Warranty Insurance by Ariel Re 



Lower Degradation



Lower
Temperature
Coefficient



Higher
Bifaciality Rate



Low Light
Performance



Less Sensitive
To Humidity

 1800-202-1072

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LYNX HALFCUT TOPCON N-TYPE M10R SERIES



N-TOPCON M10R 144 CELL MODULES ELECTRICAL PARAMETER												
STC	Model Name	NOVA600TG144	NOVA595TG144	NOVA590TG144	NOVA585TG144	NOVA580TG144	NOVA575TG144	NOVA570TG144	NOVA565TG144	NOVA560TG144	NOVA555TG144	NOVA550TG144
	Max Power-Pmax (W)	600	595	590	585	580	575	570	565	560	555	550
	Open Circuit Voltage-Voc (V)	52.85	52.72	52.57	52.46	52.33	52.22	52.10	52.02	51.86	51.69	51.77
	Short Circuit Current-Isc (A)	13.99	13.96	13.96	13.94	13.91	13.88	13.84	13.83	13.84	13.74	13.63
	Maximum Voltage-Vmax (V)	44.61	44.51	44.39	44.29	44.18	44.08	43.98	43.91	43.78	43.21	43.05
	Maximum Current-Imax (A)	13.45	13.38	13.31	13.23	13.16	13.08	13.00	12.91	12.85	12.83	12.78
	Fill Factor (%)	81.17	80.88	80.50	80.15	79.85	79.55	79.29	78.83	78.37	78.07	77.98
	Module Efficiency (%)	23.23	23.03	22.84	22.65	22.45	22.26	22.07	21.87	21.68	21.48	21.29
#Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and Module temperature of 25oC												
BNP	Model Name	NOVA600TG144	NOVA595TG144	NOVA590TG144	NOVA585TG144	NOVA580TG144	NOVA575TG144	NOVA570TG144	NOVA565TG144	NOVA560TG144	NOVA555TG144	NOVA550TG144
	Max. Power-Pmax (W)	661	656	650	645	640	635	629	625	619	613	606
	Open Circuit Voltage-Voc (V)	52.85	52.72	52.57	52.46	52.33	52.22	52.10	52.02	51.86	51.69	51.77
	Short Circuit Current-Isc (A)	15.40	15.38	15.37	15.35	15.32	15.28	15.24	15.23	15.24	15.13	15.01
	Maximum Voltage-Vmax (V)	44.61	44.51	44.39	44.29	44.18	44.08	43.98	43.91	43.78	43.21	43.05
	Maximum Current-Imax (A)	14.81	14.73	14.65	14.57	14.49	14.40	14.32	14.22	14.15	14.13	14.07
BNP!; Front 1000 W/m² - Rear 135W/m² #Additional power gain from rear side compared to power of front side at STC depends on mounting structure (height, tilt angle etc.) and reflectivity of ground. Bi-Faciality Factor : 78± 5%												

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature coefficients of Pmax	-0.30%/°C
Temperature coefficients of Voc	-0.26%/°C
Temperature coefficients of Isc	+0.044%/°C

Mechanical Data

Dimensions (L x W x T) mm	2278 X 1134 X 30mm
Weight (Kgs)	31±0.5
Mounting Hole Distance (X-axis) mm	1092
Mounting Hole Distance (Y-axis) mm	Y1- 990 / Y2 -1400

General Data

Solar Cells	M10R 144 Cell TOPCon, 16 BB
Module Structure	- Front Superstrate - ARC Semi Tempered Glass 2.0 mm - Back Substrate - Semi Tempered Glass 2.0 mm
Frame	Anodized Aluminum Alloy
Junction Box	Potted Split JB IP68
Cable & Connector	4 Sq mm, 300 mm length with MC4 Connector
Mechanical Strength	Suitable for 2400 Pa for wind load & 5400 Pa for snow load

Maximum Ratings

Operating Temperature	-40 ± 85°C
Maximum System Voltage	1500V
Maximum Series Fuse Rating	30 A
Application Classification	Class A
Electrical Positive Tolerance(%)	0 to 3%

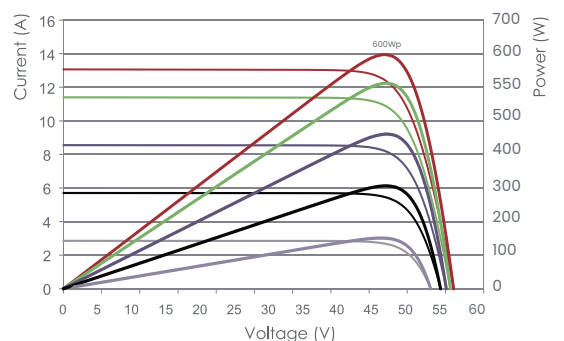
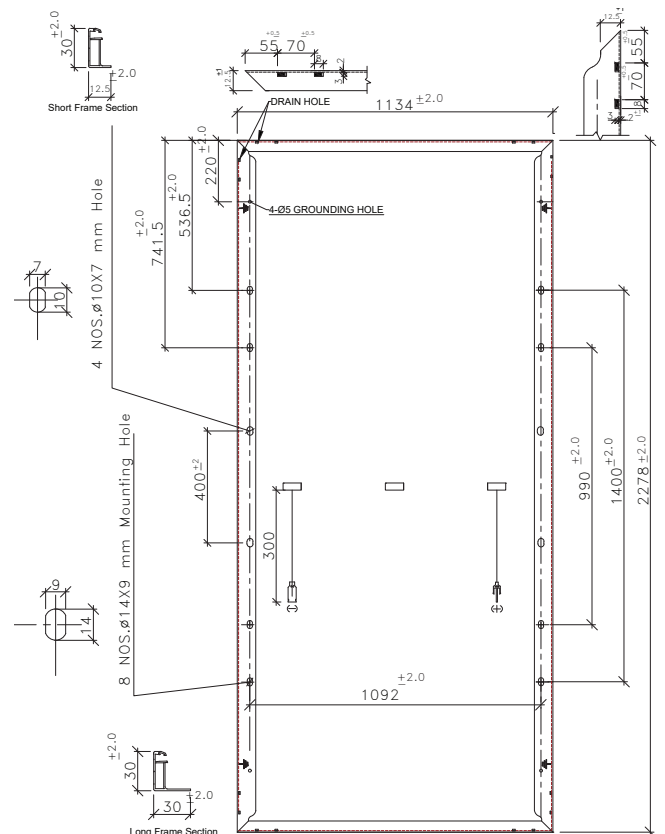
Note: ● Refer to module installation instructions for maximum loading configurations.

● All mechanical dimension tolerance ±2mm.

*Listed specifications are subject to change without notice.

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