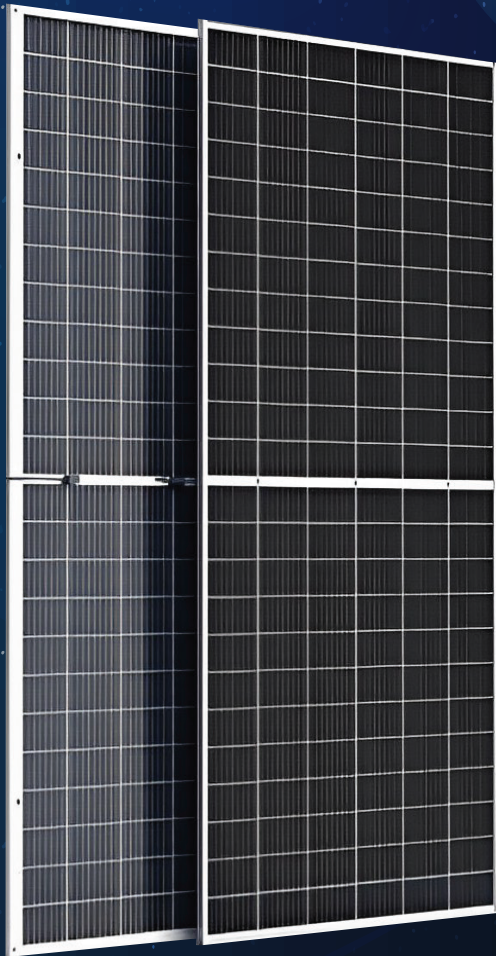


LYNX

HALF CUT N-TYPE TOPCON SERIES



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



Lower Degradation



Lower
Temperature
Coefficient



Higher
Bifaciality Rate



Low Light
Performance



Less Sensitive
To Humidity

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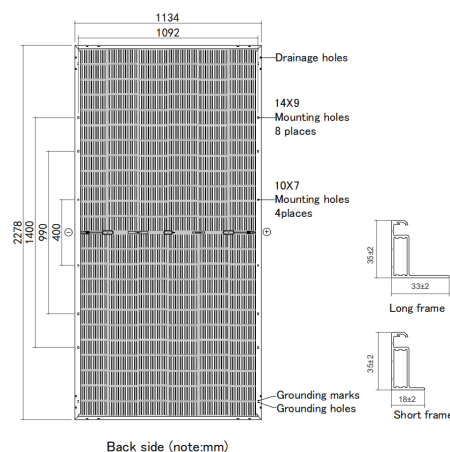
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N-TYPE TOPCON GLASS - GLASS 144 CELLS MODULES TECHNICAL SPECIFICATIONS

Module Specifications

Cell Type	N type Mono-crystalline, 144(6×24)
Dimensions (mm)	2278×1134×35
Weight (kg)	32
Front Cover	2mm heat strengthened glass
Rear Cover	2mm heat strengthened glass
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables	4mm ² dia, length 400 mm
Connector Type	MC4



Electrical Specifications¹

Module Type	NOVA580TG144		NOVA585TG144		NOVA590TG144		NOVA595TG144		NOVA600TG144	
Testing Condition	STC ²	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	580	436	585	440	590	444	595	448	600	452
Maximum Power Current (Imp/A)	13.24	10.64	13.30	10.69	13.36	10.74	13.42	10.79	13.47	10.83
Maximum Power Voltage (Vmp/V)	43.85	41.00	44.04	41.18	44.23	41.36	44.42	41.54	44.61	41.72
Short-circuit Current (Isc/A)	13.99	11.33	14.05	11.38	14.11	11.43	14.17	11.48	14.23	11.53
Open-circuit Voltage (Voc/V)	52.50	49.43	52.70	49.62	52.90	49.81	53.10	50.00	53.30	50.19
Module Efficiency STC (%)	22.5		22.6		22.8		23.0		23.2	

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±5%, Voc: ±5%, Test uncertainty for Pmax: ±2%, Bifaciality: 80%±5%

² STC (Standard Test Condition): Radiation 1000W/m², Module temperature 25°C, AM=1.5

³ NMOT: Radiation 800W/m², Ambient temperature 20°C, AM=1.5, Wind Speed 1m/s

Electrical Specifications¹(BNPI²)

Nameplate Power (W)	580	585	590	595	600
Maximum Power (Pmax/W)	641	647	652	658	663
Maximum Power Current (Imp/A)	14.61	14.67	14.74	14.81	14.86
Maximum Power Voltage (Vmp/V)	43.90	44.09	44.28	44.47	44.66
Short-circuit Current (Isc/A)	15.39	15.46	15.52	15.59	15.66
Open-circuit Voltage (Voc/V)	52.51	52.71	52.91	53.11	53.31

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±5%, Voc: ±5%, Test uncertainty for Pmax: ±2%

² BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

Temperature Characteristics

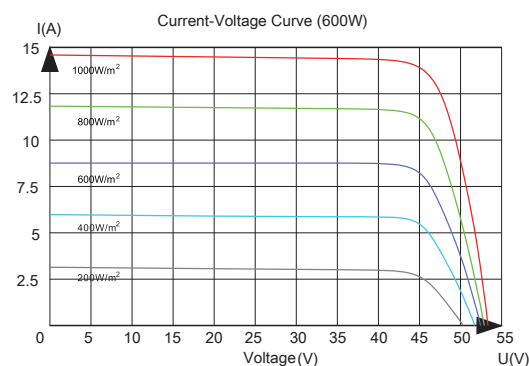
Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax (%/°C)	-0.29
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048

Packaging

Container	40HQ
Pallet Dimensions (mm)	2320×1140×1250
Pieces per Pallet	31
Pieces per Container	620

Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC(IEC)
Overcurrent Protection Rating (A)	30
Power Output Tolerance (%)	0~3
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400
Max. Design Load, Push/Pull (Pa)	Front 3600 / Back 1600



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Statement: The installation instructions and the warranty conditions must be followed. Due to technological progress, product parameters will be adjusted accordingly. When signing the contract, the latest data of the company shall prevail.