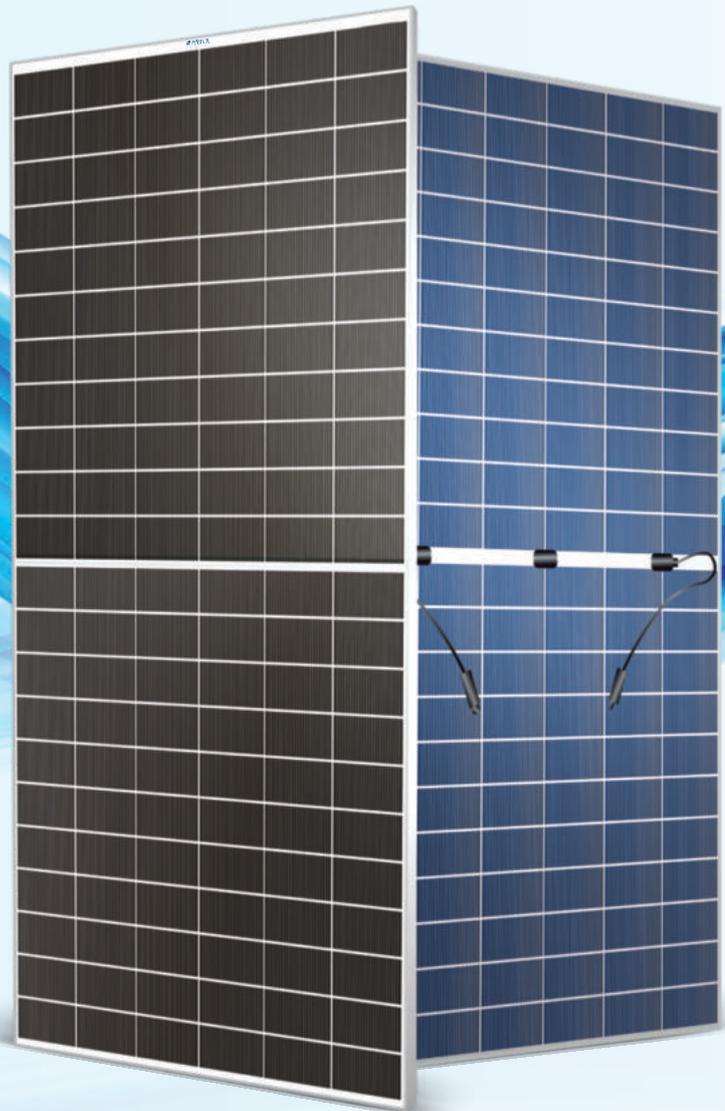


# RAYAX™

The Rays Of Power

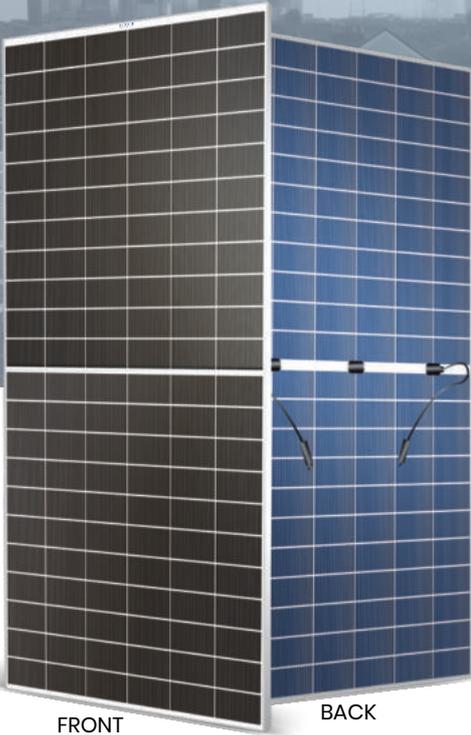
# TOPCon N-Type Glass to Glass Solar Module



Toll Free Number: 1800-5475-600

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## TOPCon N-Type Glass to Glass Solar Module



**600W**  
Maximum Output Power



**23.26%**  
Upto Efficiency



**0±2%**  
Power Tolerance

### MORE POWER



Advance technology  
Halfcut - (MBB)



Bifaciality advantage  
more power from the back side



Better output in low irradiance



Lower temperature coefficient (Pmax): -0.29%/°C, increases energy yield in hot climate



Lower LCOE & system cost

### MORE RELIABLE



Tested as per IEC 61215, 61730, 61853, 61701, 62716 & 62804 standards.



Minimizes micro-crack impacts



Versatile suitable for Utility, Rooftop, and other general applications



**15 Years** Enhanced Product Warranty on Materials and Workmanship\*



**30 Years** Linear Power Performance Warranty\*

1st year power degradation no more than 2% | Subsequent annual power degradation no more than 0.6%

\*According to the applicable Rayax Energy Private Limited Warranty Statement.

### MANAGEMENT SYSTEM CERTIFICATES\*

ISO 9001: 2015 / Quality management system

\*The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed here in will simultaneously apply to the products you order or use.

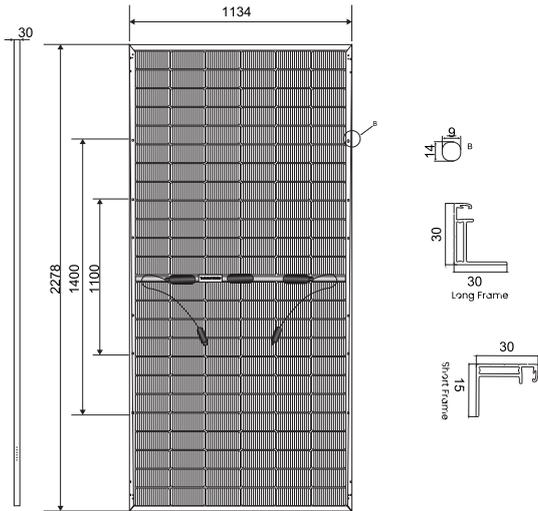
### PRODUCT CERTIFICATES\*

BIS / ISO / ALMM

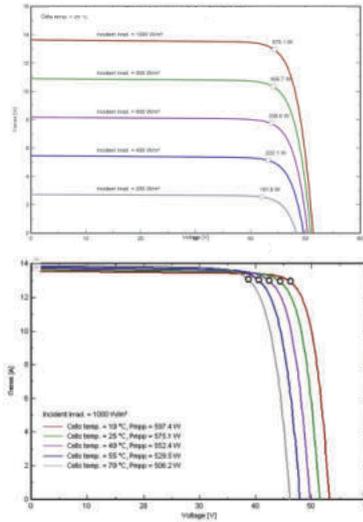


\* For detailed information, please refer to the Installation Manual.

**ENGINEERING DRAWING (mm)**



I-V Curve Characteristics



**ELECTRICAL DATA | STC\***

Model Specification	565	570	575	580	585	590	595	600
Peak Power, Pmax (Wp)	565	570	575	580	585	590	595	600
Maximum Power Voltage, Vmp (V)	44.27	44.34	44.41	44.48	44.55	44.61	44.68	44.78
Maximum Power Current, Imp (A)	12.77	12.86	12.95	13.04	13.13	13.22	13.31	13.41
Open Circuit Voltage, Voc (V)	51.21	51.31	51.41	51.51	51.61	51.71	51.81	51.91
Short Circuit Current, Isc (A)	13.43	13.53	13.63	13.73	13.83	13.93	14.03	14.13
Module Efficiency (%)	21.90	22.09	22.29	22.48	22.68	22.87	23.06	23.26
Power Output Tolerance-Pmax(W)	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Fill Factor	82.15	82.11	82.06	82.01	81.96	81.91	81.86	81.80

\*Under Standard Test Conditions (STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C.

**ELECTRICAL DATA | NOCT**

Peak Power, Pmax (Wp)	425.28	429.04	432.80	436.57	440.33	444.10	447.86	453.75
Maximum Power Voltage, Vmp (V)	42.15	42.21	42.28	42.34	42.41	42.47	42.54	42.59
Maximum Power Current, Imp (A)	10.09	10.16	10.24	10.31	10.38	10.46	10.53	10.65
Open Circuit Voltage, Voc (V)	48.65	48.74	48.84	48.93	49.03	49.12	49.22	49.31
Short Circuit Current, Isc (A)	10.94	11.02	11.10	11.18	11.25	11.34	11.41	12.67
Module Efficiency (%)	20.61	20.70	20.97	21.15	21.34	21.52	21.70	21.99
Fill Factor	79.92	79.89	79.86	79.83	79.80	79.75	79.72	72.64

\* Under Nominal operating cell temperature (NOCT) of irradiance of 800 W/m2, spectrum AM 1.5 and cell temperature of 20°C.

**Bi-Faciality Gain**

Wp	565	570	575	580	585	590	595	630
5%	593	598	603	609	614	619	624	630
10%	621	627	632	638	643	649	654	660
15%	649	655	661	667	672	678	684	690
20%	678	684	690	696	702	708	714	720
25%	706	712	718	725	731	737	743	750
30%	734	741	747	754	760	767	773	780

**MECHANICAL DATA**

Specification	
Cell Arrangement	144 Cells / [12x6    12x6 ]
Dimensions	2278 x 1134 x 30 mm ±5mm
Area of Module (LxB)	2.58 Sqm
Weight	32 ±5 kg
Glass	Tempered glass
Frame	Anodized aluminium alloy
Junction-Box	IP68
Cable	4.0 mm²
Connector	MC4

**MAXIMUM RATINGS**

Operating Temperature	-40°C+85°C
Max. System Voltage	1500 V
Max. Series Fuse Rating	30 A
Fire Rating	Class-C
By Pass Diode Rating	30 amp

**TEMPERATURE CHARACTERISTICS**

Specification	Data
Temperature Coefficient (Pmax)	-0.29% / °C
Temperature Coefficient (Voc)	-0.24% / °C
Temperature Coefficient (Isc)	0.042% / °C

Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

\*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.

\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Rayax Energy Private Limited Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described here in.

# RAYAX™

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