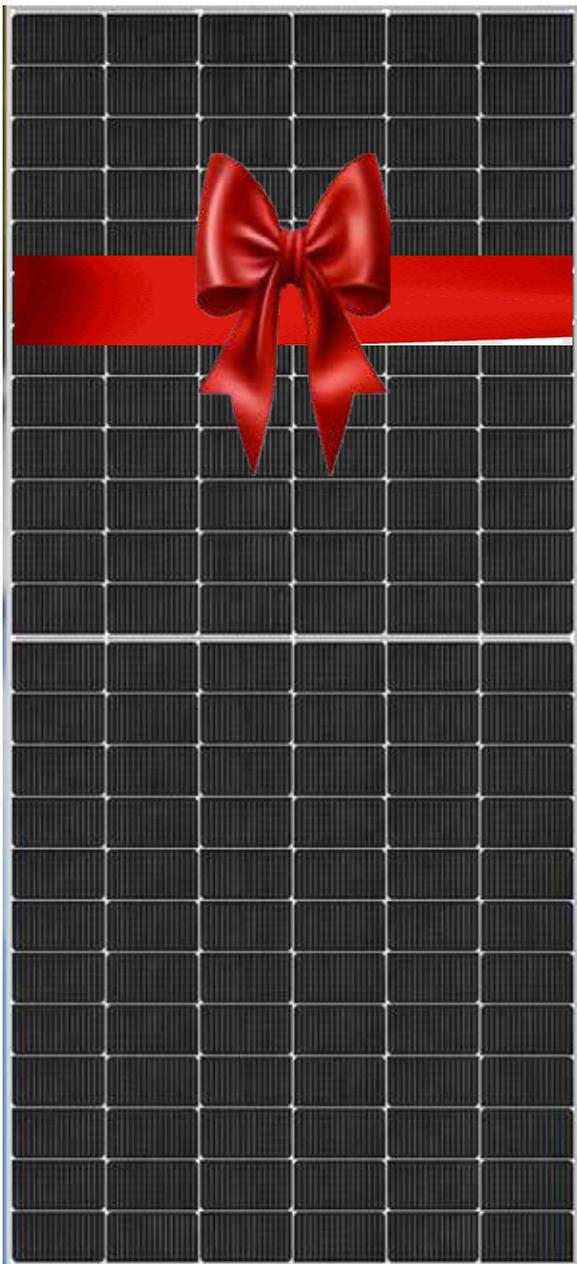


# SHINING WITH SUN 580-610 W

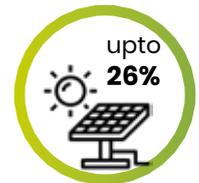
## SKP2G72H MB TOPCON Double Glass Bifacial



Power Warranty



Bifaciality



Cell Conversion Efficiency

### KEY FEATURES



#### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



#### PID Resistance

Excellent Anti- PID performance guarantee via optimized mass-production process and materials control.



#### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



#### Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



9001:2015  
14001:2015  
45001:2018



61215-1/1: 2021  
61730-1/2: 2016



IS: 14286 P1

## Electrical Parameters at STC (AM 1.5, 1000 W/m<sup>2</sup>, 25°C)

Peak Power - P <sub>max</sub> (Wp)	610	605	600	595	590	585	580	575	570	565	560	555
Maximum Voltage - V <sub>mpp</sub> (V)	45.35	45.10	44.86	44.62	44.48	44.14	43.90	43.66	43.42	43.18	42.94	42.70
Maximum Current - I <sub>mpp</sub> (A)	13.45	13.41	13.37	13.33	13.29	13.25	13.21	13.17	13.13	13.09	13.05	13.01
Open Circuit Voltage - V <sub>oc</sub> (V)	52.15	51.91	51.68	51.45	51.21	50.98	50.75	50.51	50.28	50.05	49.81	49.57
Short Circuit Voltage - I <sub>sc</sub> (A)	13.97	13.93	13.89	13.85	13.81	13.77	13.72	13.68	13.64	13.60	13.56	13.52
Module Efficiency - η (%)	23.61	23.41	23.22	23.02	22.83	22.64	22.45	22.26	22.07	21.88	21.69	21.50

1) STC: 1000 W/M<sup>2</sup> IRRADIANCE, 25 °C CELL TEMPERATURE, AM1.5G SPECTRUM ACCORDING TO EN 60904-3 | 2) TOLERANCE OF RATING AT STC ( P / I / V ) [%] : ±2/±5/±5 |

## Electrical Parameters at NOCT

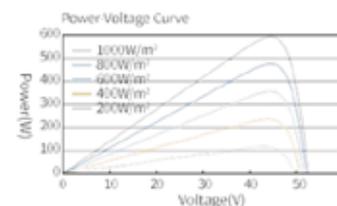
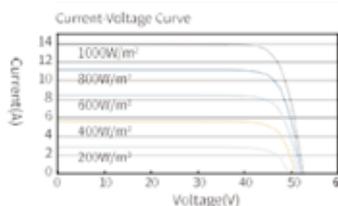
Power (Wp)	459	455	451	447	444	440	436	432	429	425	421	418
V <sub>mpp</sub> (V)	34.46	34.27	34.09	33.91	33.72	33.54	33.36	33.18	32.99	32.81	33.63	32.45
I <sub>mpp</sub> (A)	10.85	10.82	10.79	10.75	10.72	10.69	10.66	10.63	10.59	10.56	10.53	10.50
V <sub>oc</sub> (V)	39.63	39.45	39.27	39.09	38.92	38.74	38.66	38.39	38.21	38.03	37.85	37.67
I <sub>sc</sub> (A)	11.27	11.24	11.21	11.17	11.14	11.11	11.07	11.04	11.01	10.97	10.94	10.91

NOCT IRRADIANCE 800 W/M<sup>2</sup>, AMBIENT TEMPERATURE 20 °C, WIND SPEED 1 M/SEC

## Temperature Co-efficient (T<sub>c</sub>)

T <sub>c</sub> of Open Circuit Voltage (β)	-0.250 %/°C
T <sub>c</sub> of Short Circuit Current (α)	+0.045 %/°C
T <sub>c</sub> of Power (γ)	-0.290 %/°C
Maximum System Voltage	1500 V
NOCT	45 +/- 2°C
Temperature Range	-40°C to +85°C

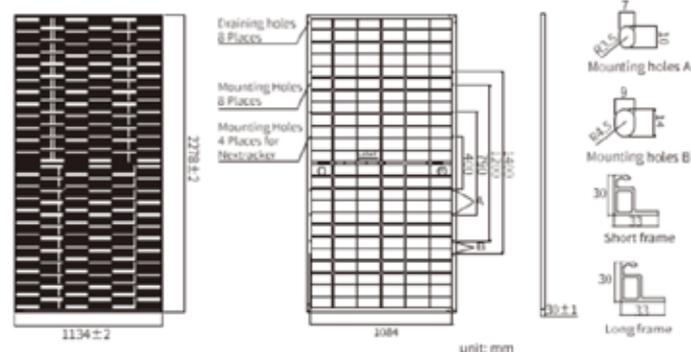
## CHARACTERISTICS



## Mechanical Data

Length x Width x Height	2278 x 1134 x 30 mm
Weight	32.1 Kgs
Junction Box	IP68, 3 bypass diodes
Cable & Connectors	4 sqmm 500 mm Length
Application Class	A
Front Glass	2 mm Low iron & Tempered glass with ARC coating
Cells	144 Topcon Solar Cell ( 6 x 24 )
Cell Encapsulant	Front EPE & back-EVA
Frame	Anodized AL Frame (6063-T6)
Mechanical Load Test	Snow load upto 5400Pa/ Wind load upto 2400Pa
Maximum Series Fuse Rating	30A
Power Bifaciality	80 +/- 5%

## Engineering drawing



## Warranty and Certificate

Product Warranty**	10 years
Performance Warranty**	25 years linear power output warranty
Approvals and Certifications**	IS14286:2023, IS/IEC 61730-1:2016, IS/IEC 61730-2:2016 <ul style="list-style-type: none"> <li>ISO 9001:2015/ Quality Management System</li> <li>ISO 14001:2015/ Environmental Management System</li> <li>ISO 45001:2018/ Occupational Health and Safety Management System</li> </ul>