

PRODUCT DATA SHEET OF W6000-G2G-TC570/575/580/585/590/595

BI-FACIAL (G2G) TOPCON

570-595 W

16BB TOPCON
MODULE

W6000-G2G-TC570/575/580/585/590/595

SALIENT FEATURES OF W6000-G2G-TC570/575/580/585/590/595 MODULE



HIGH PERFORMANCE

Higher module power and module efficiency, lower power degradation. Lower installation cost of power plant.



ENVIRONMENT FRIENDLY

Wide range of applications, such as snow areas, high humidity areas and Strong sandstorm areas, etc.



LID & LeTID

Very low degradation for LID and LeTID



PID RESISTANCE

PID resistance cell and module design.



INNOVATIONAL HALF-CUT & MULTI-BUSBAR TECHNOLOGY

Lower risk of micro crack, lower risk of shading effect and high reliability.



BIFACIAL DESIGN

Up to 25% additional power gain, higher revenue generation and faster ROI.



POSITIVE TOLERANCE

Guaranteed Positive tolerance (0~ 5W) to ensure rated nominal power output.



SYSTEM & PRODUCT CERTIFICATES

IEC 61215 /IEC 61730 /UL 61215/UL 61730

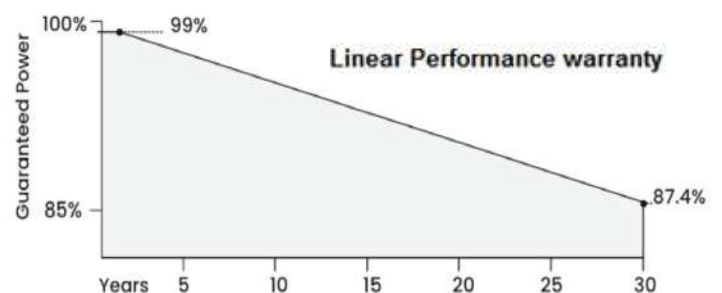
ISO 9001:2015 QUALITY MANAGEMENT SYSTEM

ISO 14001:2015 ENVIRONMENT MANAGEMENT SYSTEM

ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY



PERFORMANCE WARRANTY



ELECTRICAL SPECIFICATION AT STC

Power (Wp)	570	575	580	585	590	595
Power Tolerance (Wp)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5
Module Efficiency	22.07%	22.26%	22.45%	22.65%	22.84%	23.03%
Maximum Voltage Vmp (V)	44.36	44.54	44.72	44.90	45.11	45.15
Maximum Current Imp (A)	12.85	12.91	12.97	13.03	13.08	13.18
Open-circuit voltage Voc (V)	52.40	52.60	52.70	52.84	52.86	52.86
Short-circuit current Isc (A)	13.54	13.59	13.65	13.71	13.76	13.79

OPERATING CONDITION

Maximum system voltage(UL&IEC)	1500VDC
Maximum series fuse rating(A)	30A
Limiting reverse current(A)	30A
Operating temperature range(°C)	-40 °C and +85 °C
Maximum static load (snow or wind)	113psf (5400Pa)

MODULE MECHANICAL CHARACTERISTICS

Module dimensions LxWxH (mm)	2278mmx1134mmx40/35mm
Module weight	34Kg (approx.)
Number of cells & size	144cells (182x91) mm N type TOPCON Bifacial Solar Cell
Frame material	Anodized aluminum frame
Maximum static load(snow or wind)	113psf(5400Pa)

TEMPERATURE COEFFICIENT

Nominal Operating Cell Temperature	45±2 °C
Coefficient of Power(Pmax)	-0.35% /°C
Coefficient of Voltage(Voc)	-0.28% /°C
Coefficient of Current(Isc)	0.048% /°C

BIFACIAL GAIN

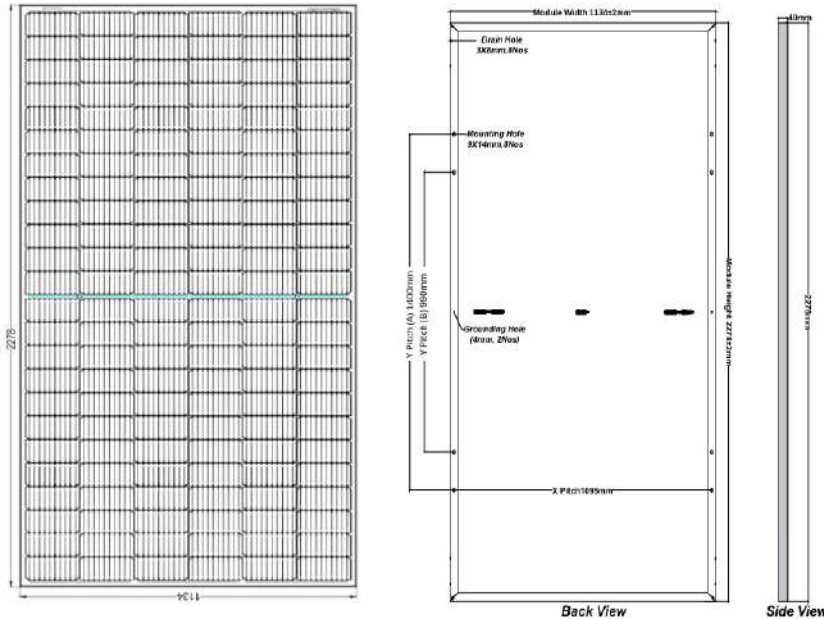
		570	575	580	585	590	595
10%	Power Output (W)	627	632	638	643	649	654
15%	Power Output (W)	655	661	667	673	678	684
20%	Power Output (W)	684	690	696	702	708	714
25%	Power Output (W)	712	719	725	731	737	743

** Bifacial gain is dependent on albedo from surface behind the panel

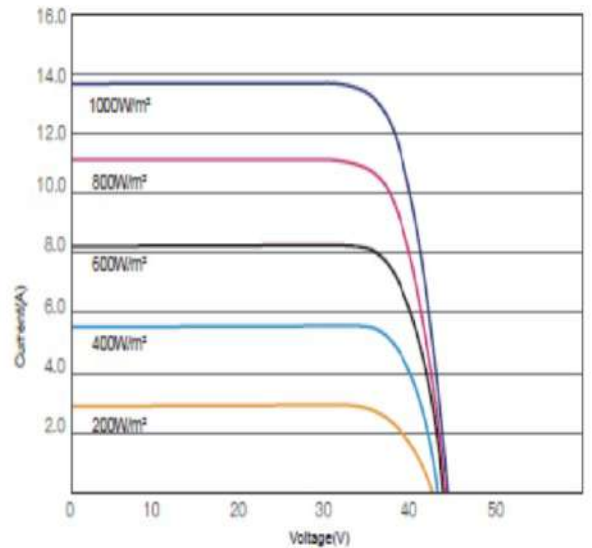
ELECTRICAL SPECIFICATION AT NOCT

Nominal Power (Wp)	570	575	580	585	590	595
Power at NOCT (Wp)	427	431	435	439	443	447
Module Efficiency	16.54%	16.70%	16.85%	17.00%	17.16%	17.33%
Maximum Voltage Vmp (V)	41.33	41.36	41.38	41.40	41.42	41.44
Maximum Current Imp (A)	10.34	10.43	10.52	10.61	10.70	10.80
Open-circuit voltage Voc (V)	49.37	49.57	49.67	49.81	49.83	49.83
Short-circuit current Isc (A)	10.91	10.95	11.00	11.04	11.09	11.12

Engineering Drawings



Electrical Performance



Packing and shipping Information

Number of modules per Pallet	31Pcs
Number of pallets per 40 ft. container	20Pcs
No. of Panel/40ft	620Pcs