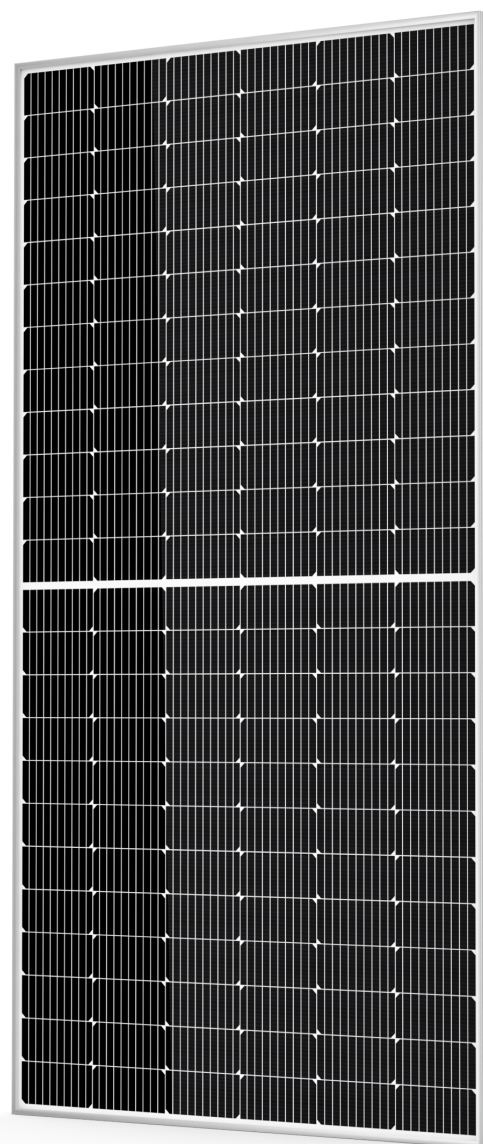


BI-FACIAL (GTB) PERC M10

525 - 550W BIFACIAL MODULE

W5500-GTB-MP525/530/535/540/545/550



SALIENT FEATURES



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 minimum nominal power output.

PRODUCT CERTIFICATES



IEC 61215 | IEC 61730 | IEC 61701 (Salt Mist) | IEC 62716 (Ammonia)

IEC 62782 (DMLT) | IEC 61853-1 & 2 (Panfile & IAM) | LID, LETID | IEC 62804 (PID)

CEC, CE | UL61730 | IEC 60068 (Sand & Dust) | IEC 62759 (Transportation)

MADE IN INDIA



Linear Performance warranty*



Product warranty on materials and workmanship**

W5500-GTB-MP525/530/535/540/545/550

ELECTRICAL SPECIFICATION AT STC							
Power (Wp)		525	530	535	540	545	550
	Power Tolerance (Wp)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5
	Module Efficiency	20.32%	20.52%	20.71%	20.90%	21.10%	21.29%
	Maximum Voltage Vmp (V)	40.94	41.09	41.16	41.3	41.45	41.52
	Maximum Current Imp (A)	12.83	12.9	13	13.08	13.15	13.25
	Open-circuit voltage Voc (V)	48.74	48.89	48.96	49.1	49.25	49.32
	Short-circuit current Isc (A)	13.38	13.42	13.51	13.52	13.58	13.68
OPERATING CONDITION							
Maximum system voltage (UL&IEC)		1000/1500 VDC					
Maximum series fuse rating (A)		30 A					
Limiting reverse current (A)		30 A					
Operating temperature range (°C)		-40°C to +85°C					
Maximum static load (snow or wind)		113 psf (5400 Pa)					
MODULE MECHANICAL CHARACTERISTICS							
Module dimensions LxWxH (mm)		2278mm x 1134mm x 40/35mm					
Module weight		29 Kg (approx.)					
Number of cells & size		144 cells (182x91)mm (M10)					
Frame material		Anodized aluminum frame					
Maximum static load (snow or wind)		113 psf (5400 Pa)					
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							
		525	530	535	540	545	550
10%	Power Output (W)	578	583	589	594	600	605
	Module Efficiency (%)	22.36%	22.57%	22.78%	22.99%	23.21%	23.42%
15%	Power Output (W)	604	610	615	621	627	633
	Module Efficiency (%)	23.37%	23.59%	23.82%	24.04%	24.26%	24.48%
20%	Power Output (W)	630	636	642	648	654	660
	Module Efficiency (%)	24.39%	24.62%	24.85%	25.08%	25.32%	25.55%
25%	Power Output (W)	656	663	669	675	681	688
	Module Efficiency (%)	25.40%	25.65%	25.89%	26.13%	26.37%	26.61%

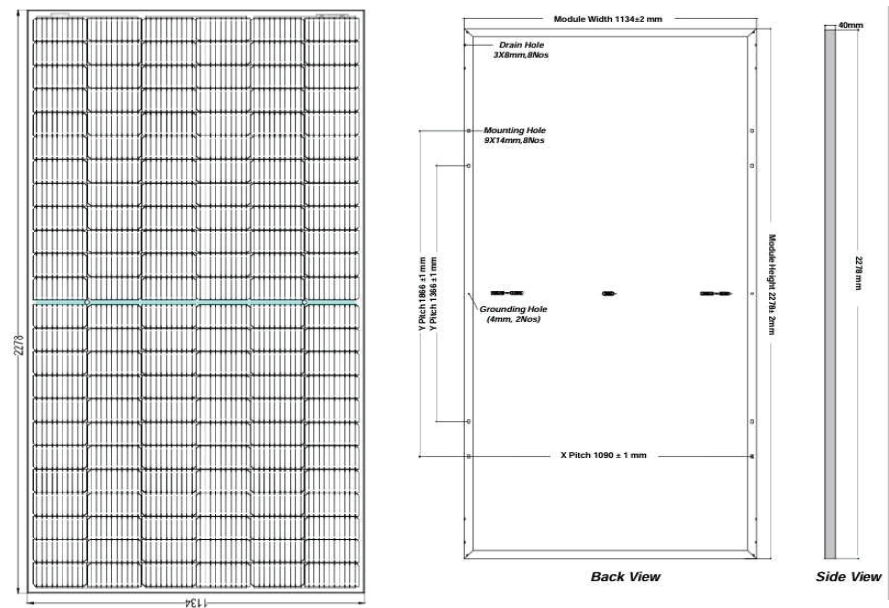
** Bifacial gain is dependent on albedo from surface behind the panel

W5500-GTB-MP525/530/535/540/545/550

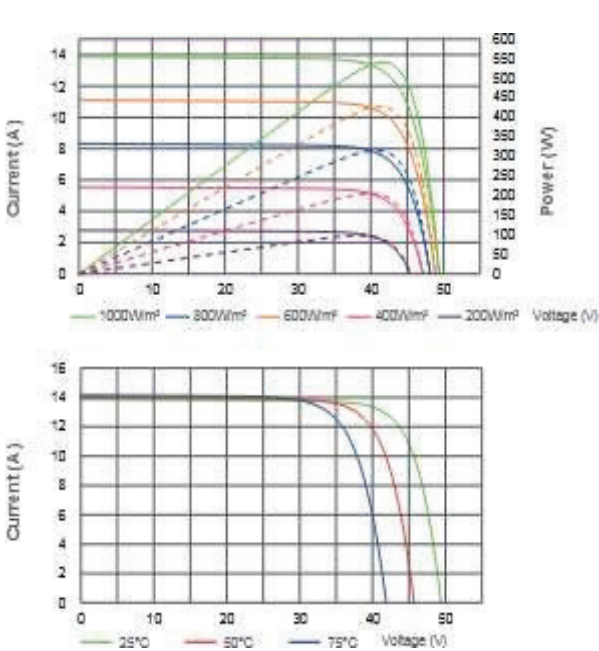
ELECTRICAL SPECIFICATION AT NOCT

Nominal Power (Wp)	525	530	535	540	545	550
Power at NOCT (Wp)	386	393	397	401	404	408
Module Efficiency	14.94%	15.22%	15.37%	15.53%	15.65%	15.79%
Maximum Voltage Vmp (V)	38.14	38.37	38.44	38.68	38.9	39.04
Maximum Current Imp (A)	10.13	10.25	10.33	10.37	10.39	10.46
Open-circuit Voltage Voc (V)	45.74	46.16	46.18	46.33	46.47	46.56
Short-circuit Current Isc (A)	10.75	10.75	10.83	10.84	10.86	10.96

ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE



PACKING AND SHIPPING INFORMATION

Number of modules per Pallet	27 Pcs
Number of pallets per 40 ft. container	20 Pcs
No. of Panel/40ft	540 Pcs

Caution : Please read safety and installation instructions before using the product. ***Warranty :** Linear performance warranty for 30 years, with degradation up to 2% in 1st year and 0.45 %/year from year 2 to year 30. Please read Mahindra warranty documents thoroughly. **Disclaimer :** Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation in the Product Development and R&D Activities. Mahindra Solarize reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not form a representative of a single module data. @T&C Apply .