Websol Energy System Limited

"Bringing light into people's lives

WEBEL SOLAR

PRODUCT DATA SHEET OF W6600-GTB-MP640/645/650/655/660

BI-FACIAL GTB MODULE G12

W6600-GTB-MP640/645/650/655/660

SALIENT FEATURES OF W6600-GTB-MP640/645/650/655/660 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 minimum nominal power output.

SYSTEM & PRODUCT CERTIFICATES

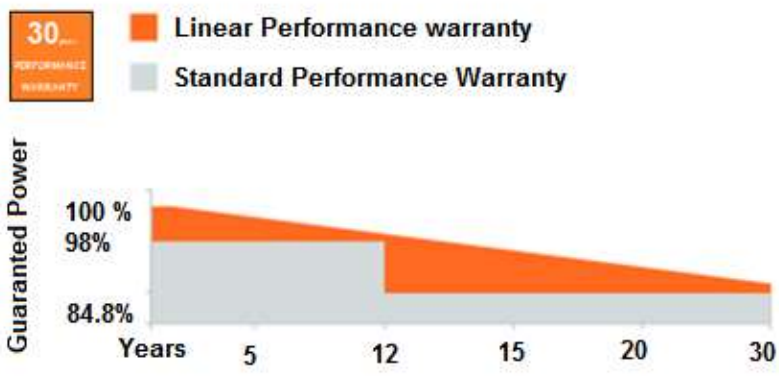
IEC 61215 /IEC 61730 /UL 1703/UL 61730

ISO 9001:2015 QUALITY MANAGEMENT SYSTEM

ISO 14001:2015 ENVIRONMENT MANAGEMENT SYSTEM

ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY

PERFORMANCE WARRANTY



W6600-GTB-MP640/645/650/655/660

ELECTRICAL SPECIFICATION AT STC

Power (Wp)	640	645	650	655	660
Power Tolerance (Wp)	0~+5	0~+5	0~+5	0~+5	0~+5
Module Efficiency	20.6%	20.7%	20.9%	21.0%	21.2%
Maximum Voltage Vmp (V)	38.28	38.42	38.49	38.56	38.62
Maximum Current Imp (A)	16.72	16.79	16.89	16.99	17.09
Open-circuit voltage Voc (V)	44.81	44.95	45.08	45.14	45.34
Short-circuit current Isc (A)	18.13	18.19	18.26	18.36	18.41

OPERATING CONDITION

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

MODULE MECHANICAL CHARACTERISTICS

Module dimensions LxWxH (mm)	2390mm X 1303mm X 35mm
Module weight	34Kg (approx.)
Number of cells &size	132cells (210x105) mm (G12)
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

		640	645	650	655	660
10%	Power Output (W)	704	710	715	721	726
	Module Efficiency (%)	22.61%	22.78%	22.96%	23.14%	23.31%
15%	Power Output (W)	736	742	748	753	759
	Module Efficiency (%)	23.63%	23.82%	24.00%	24.19%	24.37%
20%	Power Output (W)	768	774	780	786	792
	Module Efficiency (%)	24.66%	24.85%	25.05%	25.24%	25.43%
25%	Power Output (W)	800	806	813	819	825
	Module efficiency (%)	25.69%	25.89%	26.09%	26.29%	26.49%

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

Corporate Office and Plant:
Sector - II, Falta Special Economic Zone; Falta, 24 Parganas (South); Pin - 743504; West Bengal; India;
Ph. No.: 03174-222443
website: www.webelsolar.com

For any sales query mail us
sales@webelsolar.com
www.webelsolar.com

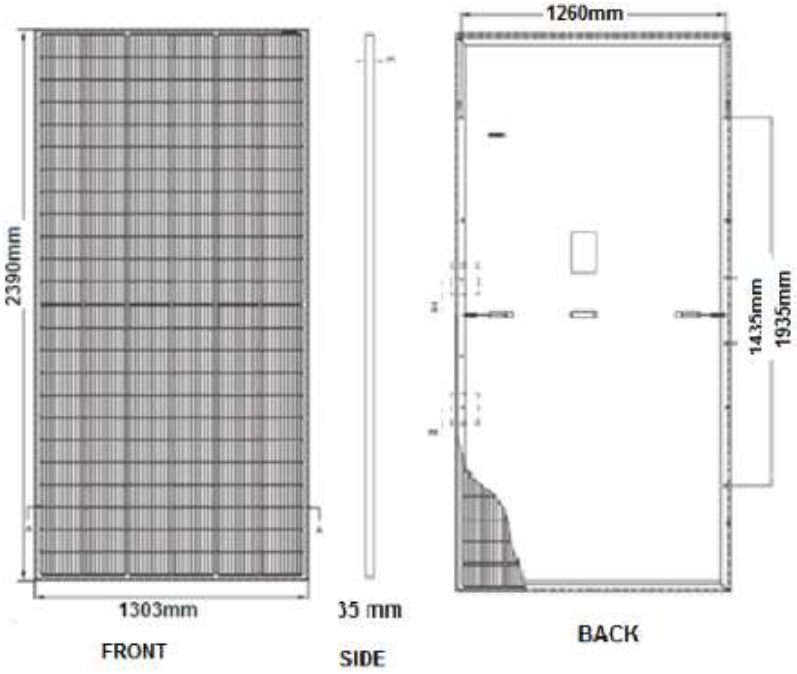
Registered Office:
48, Pramatha Choudhary Sarani, Plot No.849, Block - P, 2nd Floor, Kolkata – 700 053, New Alipore, Ph-(033)2400-0419,

W6600-GTB-MP640/645/650/655/660

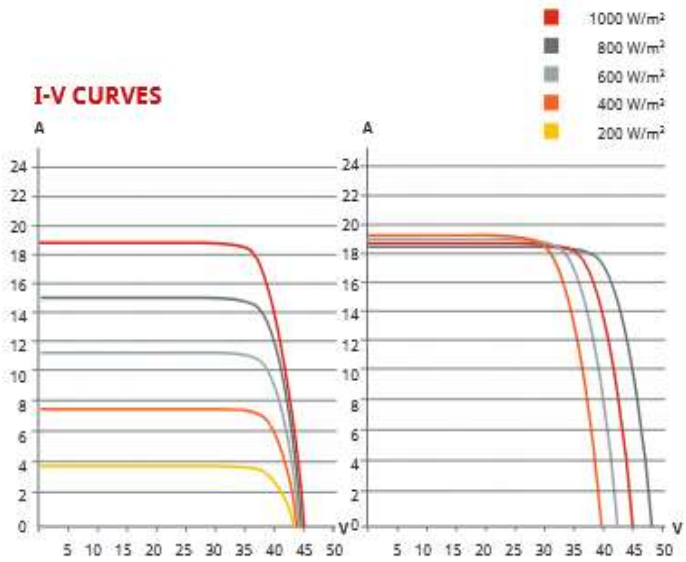
ELECTRICAL SPECIFICATION AT NOCT

Nominal Power (Wp)	640	645	650	655	660
Power at NOCT (Wp)	476	479	483	487	490
Maximum Voltage Vmp (V)	35.78	35.91	35.97	36.03	36.09
Maximum Current Imp (A)	13.31	13.34	13.43	13.50	13.58
Open-circuit voltage Voc (V)	42.26	42.39	42.51	42.57	42.76
Short-circuit current Isc (A)	14.61	14.65	14.71	14.79	14.83

Engineering Drawings



Electrical Performance & Temperature



Packing and shipping Information

Number of modules per Pallet	31 Pcs
Number of pallets per 40ft container	18 Pcs
No. of Panel / 40ft	558 Pcs

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