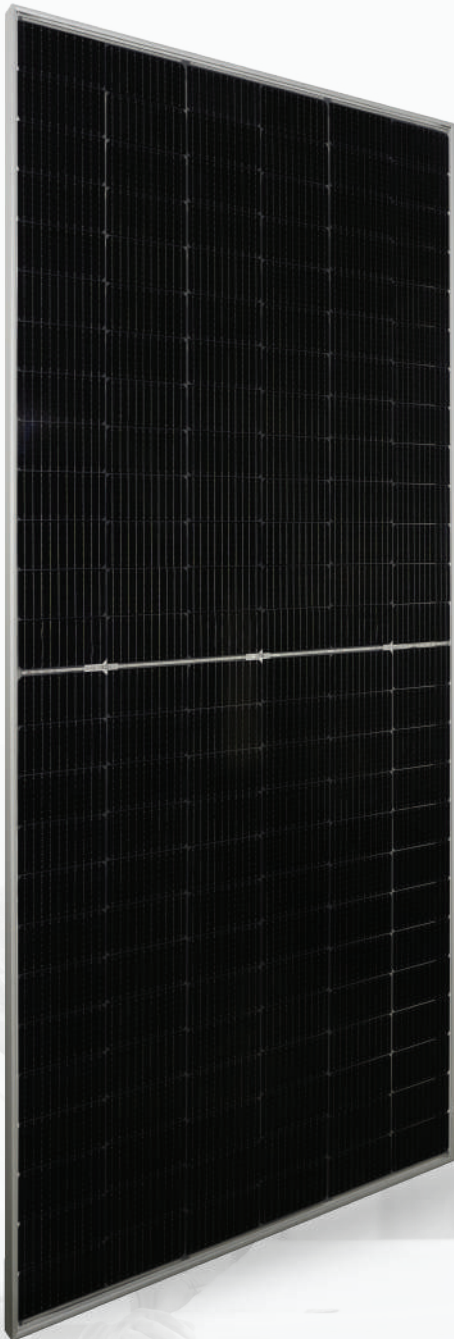


TP SOLAR LIMITED

TP600LG10B (Glass – Glass)

MONO PERC BIFACIAL SOLAR MODULE



Illuminating a Sustainable Future



Made in India within a state-of-the-art module production facility.



Low risk of failure - A warranty claim rate of under **0.07%**.



Certified to withstand snow loads of up to **5400Pa**.



Industry leading heavy-duty frame **6005-T6** grade.



PID resistant module.



IP68 rated junction box.



IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1111283735



R-61004146



Product warranty on material and workmanship.



Linear power output warranty

Warranties are subject to the terms and conditions as per the TP Solar warranty document. Certification may vary by module type.

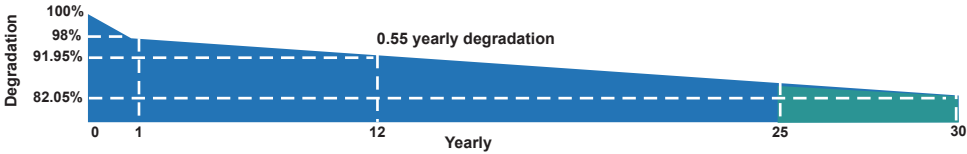
TP SOLAR LIMITED

21.54%
MaxModuleEfficiency

600Wp
MaxPowerOutput

0 ~ +5
PowerTolerance

Yearly Degradation Chart



Electrical Parameters at STC

Maximum power - Pmax (W)	555	560	565	570	575	580	585	590	595	600
Power tolerance (W)	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5
Module efficiency (η%)	19.93	20.11	20.29	20.47	20.65	20.83	21.00	21.18	21.36	21.54
Voltage at maximum power - Vmp (V)	45.05	45.17	45.50	45.71	45.87	45.97	46.10	46.18	46.28	46.41
Current at maximum power - Imp (A)	12.32	12.40	12.42	12.47	12.54	12.62	12.69	12.78	12.86	12.93
Open circuit voltage - Voc (V)	53.14	53.25	53.30	53.41	53.52	53.63	53.73	53.90	54.01	54.12
Short circuit current - Isc (A)	13.00	13.02	13.03	13.04	13.10	13.12	13.20	13.29	13.37	13.45

STC : Irradiance 1000 W/m², AM 1.5 and cell temperature 25°C

Electrical Parameters at 10% Bifacial gain

Maximum power - Pmax (W)	611	616	622	627	633	638	644	649	655	660
Voltage at maximum power - Vmp (V)	45.05	45.17	45.50	45.71	45.87	45.97	46.10	46.18	46.28	46.41
Current at maximum power - Imp (A)	13.55	13.64	13.66	13.72	13.79	13.88	13.96	14.05	14.14	14.22
Open circuit voltage - Voc (V)	53.14	53.25	53.30	53.41	53.52	53.63	53.73	53.90	54.01	54.12
Short circuit current - Isc (A)	14.36	14.46	14.58	14.67	14.77	14.87	14.97	15.05	15.15	15.25

Bifacial factor 70 ± 5% and bifacial power gain depends on the plant design, location and albedo

Electrical Parameters at NOCT

Maximum power - Pmax (W)	400	403	407	410	414	418	421	425	428	432
Voltage at maximum power - Vmp (V)	39.64	39.75	40.04	40.22	40.37	40.45	40.57	40.64	40.73	40.84
Current at maximum power - Imp (A)	10.08	10.14	10.16	10.20	10.26	10.32	10.38	10.45	10.52	10.58
Open circuit voltage - Voc (V)	46.76	46.86	46.90	47.00	47.09	47.19	47.29	47.43	47.53	47.62
Short circuit current - Isc (A)	10.65	10.66	10.67	10.68	10.73	10.75	10.81	10.89	10.95	11.01

NOCT : Irradiance 800 W/m², AM 1.5, Ambient temperature 20°C and Wind speed 1m/s

Temperature Coefficient Characteristics

NOCT(°C)	45±1
Temperature Coefficient of Pmax (% / °C)	-0.35
Temperature coefficient of Voc (% / °C)	-0.28
Temperature coefficient of Isc (% / °C)	0.05

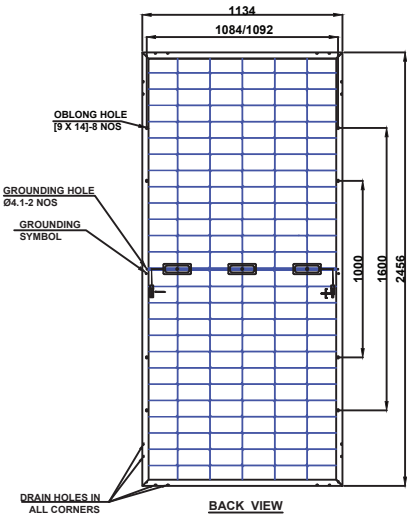
Operating Conditions

Maximum system voltage (V)	1500
Application class	A
Maximum series fuse rating (A)	25
Limited reverse current (A)	25
Operating temperature range (°C)	-40 to 85
Maximum static load (Wind/Snow) Pa	2400 /5400

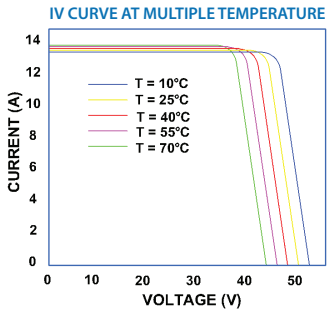
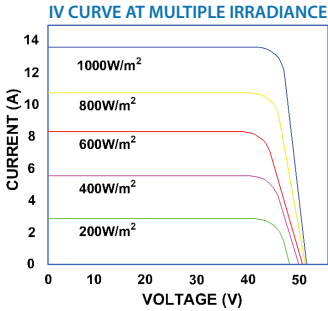
Module General Characteristics

Module dimensions L X W X H(mm)	2456 x 1134 x 35 / 30
Module weight (approx) (Kg)	36±1
No of cells & size	156 Nos/[182 x91]mm
Frame materials	Anodized Aluminium
Front glass/ Back glass	2mm each side
Junction box	IP68
Cable connector	MC4/MC4 Compatible

Dimensions (mm)



IV Characteristics



Packaging Details

No. of Modules per pallet	31
No. of Boxes per 40ft Container	16
Box Weight (Kg)	1250
Box Dimensions L X W X H(mm)	2520 x 1145 x 1280

Testing and Tolerances

*Irradiance of 1000W/m², Spectrum of AM 1.5 and Cell temperature of 25 °C.
** Measurement tolerance on Pmax±3%
a) Tolerance for dimensions±3mm and Tolerance for cable length 0/+50mm.
b) Bifacial factor [70±5]%
c) BSTC: Bifacial power gain depends on the plant design and location
d) Box dimensions are subject to change & Box Dimension Tolerance ±10mm Listed specifications are subject to change without prior notice.