

TOPCON SOLAR PANEL

550W - 590W (Bi-Facial)



Half Cut Cells Are More Physically Durable, More Resistant To Cracking Reduce Power Loss increase module efficiency (Topcon up to 23 %)



Higher bifacially, allowing for increased power generation



Lower degradation rate, ensure consistent power over longer lifespan



IP68, IP67 for Long Term Endurance



16BB instead of 10MBB Technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



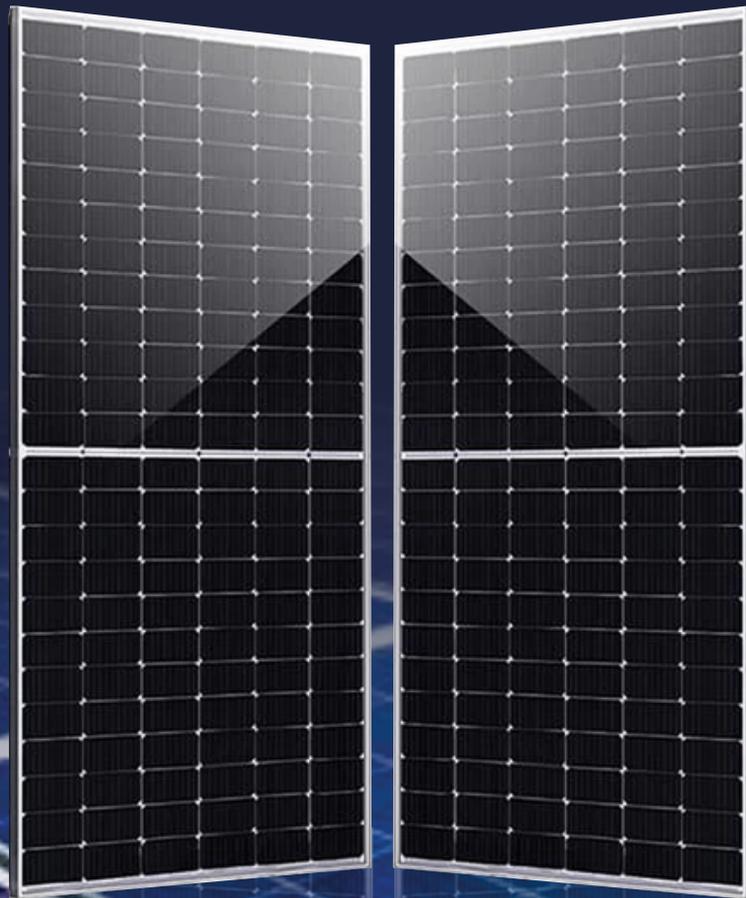
Maintain Higher Efficiency in hotter condition



Lower Temperature Coefficient



27 Years Performance Warranty



TOPCON SOLAR PANEL

550W - 590W (Bi-Facial)

Model No.	UTL550-144BT	UTL555-144BT	UTL560-144BT	UTL570-144BT	UTL575-144BT	UTL580-144BT	UTL585-144BT	UTL590-144BT
Electrical Characteristics								
Nominal power at STC Pmax (W)	550	555	560	570	575	580	585	590
Short Circuit Current Isc (A)	13.69	13.75	13.81	13.93	13.99	14.04	14.09	14.13
Operating voltage at Pmax Vmp (V)	42.44	42.63	42.81	43.24	43.44	43.64	43.86	44.1
Operating current Imp (A)	12.96	13.02	13.08	13.18	13.24	13.29	13.34	13.38
Open circuit voltage Voc (V)	49.92	50.14	50.35	50.76	50.89	51.03	51.25	51.43
Module efficiency %	21.32	21.51	21.71	22.09	22.29	22.48	22.68	22.87
Operating Temperature	-40°C to +80°C							
Maximum system voltage (DC)	1500V							
Output Tolerance	± 2%							
Fill Factor	80%							
Max. Series Fuse Rating	30A							

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Mechanical Characteristics	
Cell type	TOPCON
No of Cell	144
Module Dimension (mm)	2277x1133x35
Weight (kg)	28
Front side Junction Box	IP68, 3 DIODE
Frame	Anodized Aluminum Alloy
Front cover	Low iron, Tempered glass
Connectors	MC4 compatible

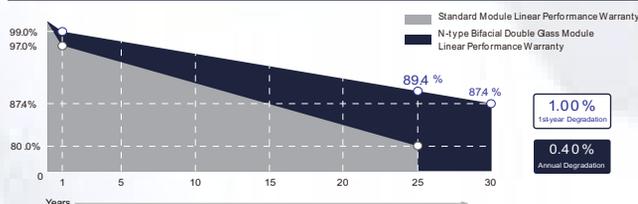
Temperature Coefficient	
Temperature Coefficient (Voc)	-0.26% /°C
Temperature Coefficient (Isc)	0.04% /°C
Temperature Coefficient (Pmax)	-0.31% /°C

WARRANTY

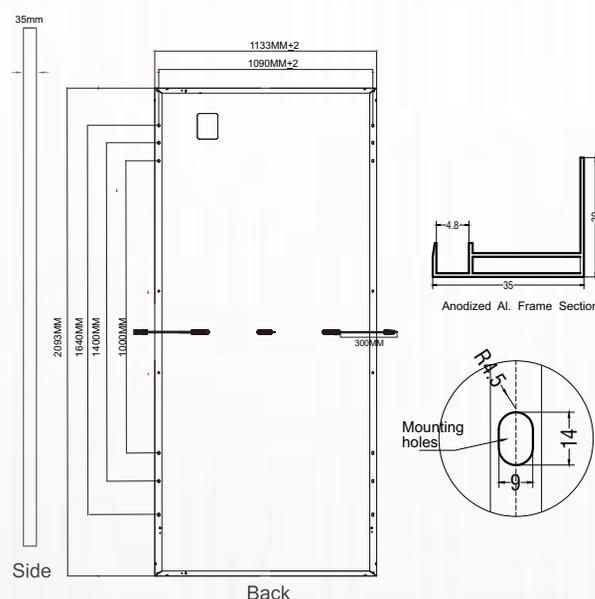
Power Degradation 1% in First year and 0.4%/year from 2 to 27 years

*Standard Test Conditions [STC] - 1000 W/m² irradiance, Air Mass 1.5 and 25°C cell temperature.
 Nominal Operating Cell Temperature (NOCT) - 800 W/m² irradiance, Air Mass 1.5,
 Ambient temperature 20°C and Wind speed 1 m/s. Average power reduction of 4.5% at 200 W/m²
 as per IEC 60904-1. Measuring Uncertainty ± 3%.

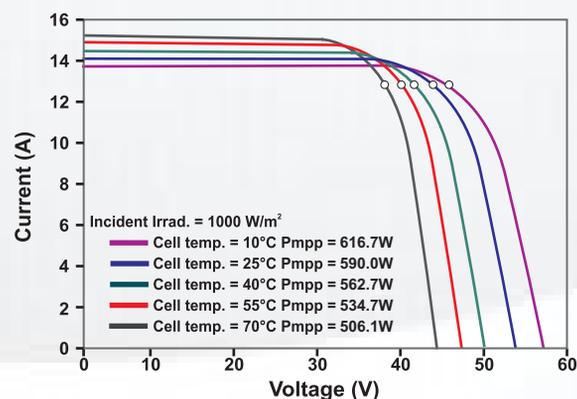
LINEAR GRAPH



DRAWING (MEASUREMENTS ARE IN MM)



I-V Curve at STC



FUJIYAMA POWER SYSTEMS LTD.

Sales Office: 2/8A, Plot No-63, 2nd Floor Rama Road Industrial Area Opp. Kirti Nagar Metro Station New Delhi-110015

For Sales- +91 9250 885 885 For Service - +91 8510 885 885, For Sales Enquiry - sales@utlups.com, Web : www.upsINVERTER.com

Manufacturing Unit 1 : Khasra No. 182, Vill-Naryal, Parwanoo, Himachal Pradesh-173220, India

Manufacturing Unit 2 : Plot No 51-52, Sector - Ecotech 1 Extension 1, Greater Noida, Distt Gautam Budh Nagar, U.P. - 201310, India

Manufacturing Unit 3 : Plot No. 5 & 14, Sector 6, HSIIDC, IMT BAWAL, Rewari, Bawal, , HR- 123501, India



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