

TOPCON SOLAR PANEL

525W (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.



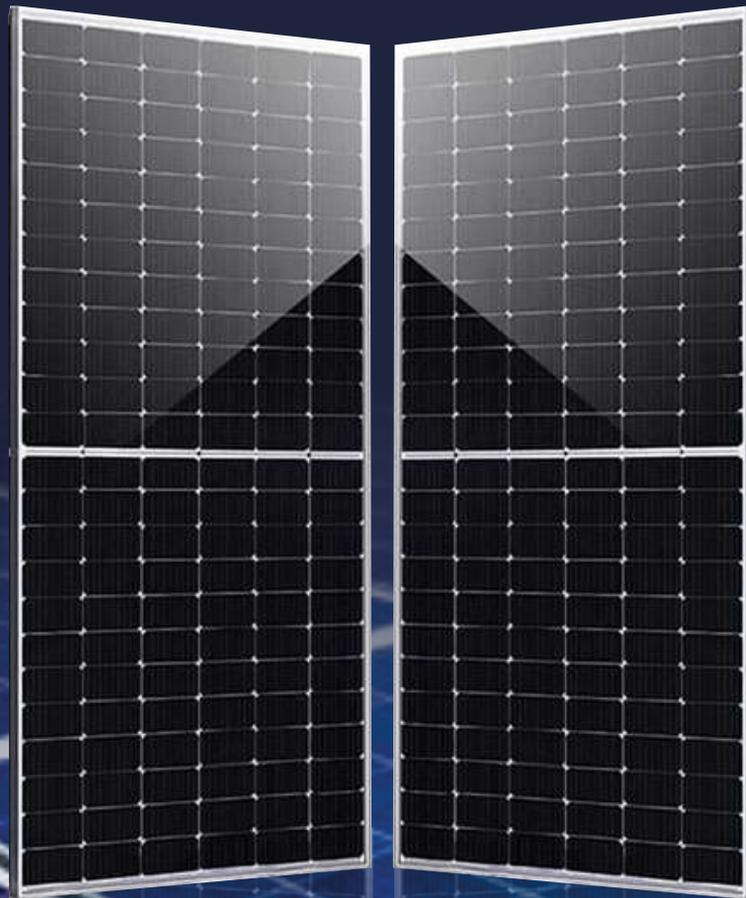
Maintain Higher Efficiency in hotter condition



Lower Temperature Coefficient



27 Years Performance Warranty



TOPCON SOLAR PANEL

525W (Bi-Facial)

TECHNICAL DATA

Electrical Parameter at STC	Bifacial N-Type Module
Module Type	UTL525-132BT
Capacity rating – Pmax(Wp)	525
Power Tolerance	±2%
Rated voltage - Vmp(V)	39.82
Rated current - Imp(A)	13.19
Short circuit current - Isc(A)	13.75
Open circuit voltage - Voc(V)	46.65
Module efficiency (%)	21.90

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and Module temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

MECHANICAL SPECIFICATION

Solar cells	132 pcs TOPCon cell technology, Multi BB
Encapsulation	PID & UV resistance
Frame	Silver Anodized Aluminium Alloy
Front Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Back	Transparent Backsheet
Dimensions	(L) 2115 mm x (W) 1133 mm x (H) 35 mm
Weight	~26.50 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Mounting Holes (Y)	1000,1640,1400 MM
Mounting Holes (X)	1090MM
Max Fuse Rating	35A
Cable	4 mm ² , Solar cable 300 mm/1400mm length or Customized length
Connectors	MC4 Type
Application Class	ClassA
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

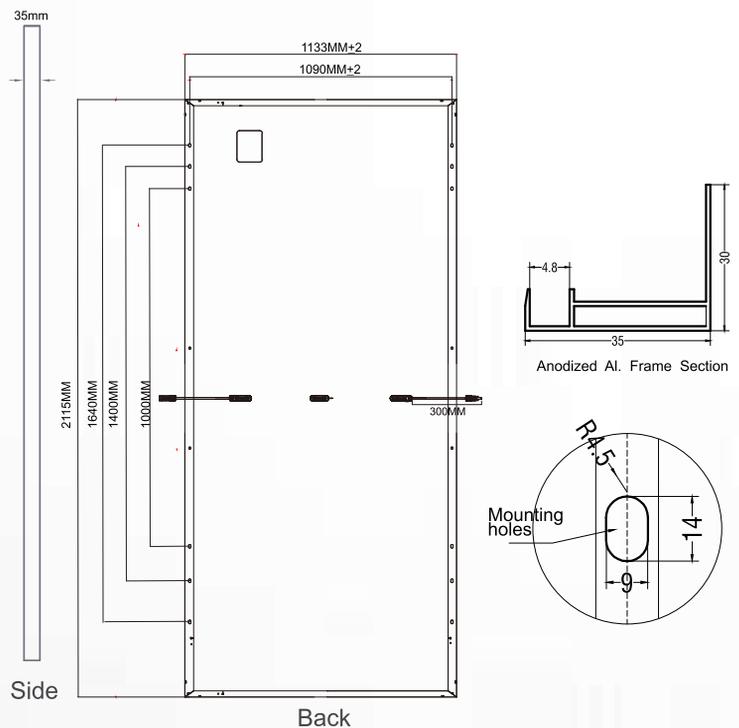
PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
NOCT	45± 2°C
Maximum system voltage	1500 VDC
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

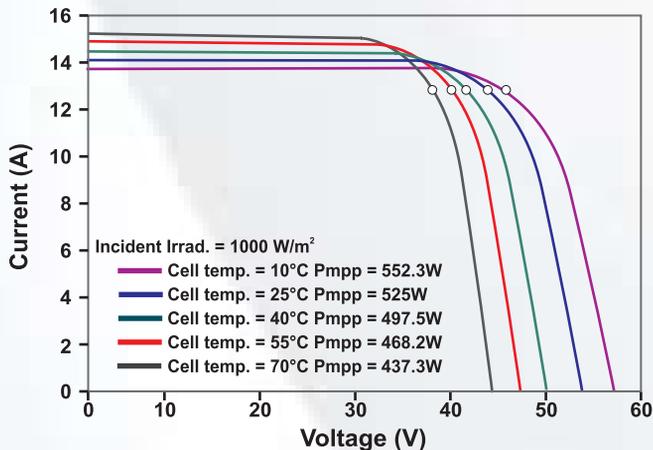
TEMPERATURE COEFFICIENTS (TC)

Temperature Coefficient (Voc)	-0.26% /°C
Temperature Coefficient (Isc)	0.045% /°C
Temperature Coefficient (Pmax)	-0.32% /°C

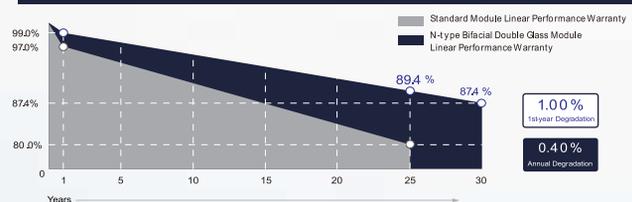
DRAWING (MEASUREMENTS ARE IN MM)



I-V Curve at STC



LINEAR GRAPH



WARRANTY

10 Years - 90% of Power O/P & Next 17 Years - 80% of Power O/P

*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%.

Note :-

- The specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.

FUJIYAMA POWER SYSTEMS LTD.

Corporate Office :-

63, 2nd Floor Rama Road Opp. Kirti Nagar Metro Station Near Andaaz Banquet, Delhi-110015

Manufacturing Unit :-

Unit 1 : Village Naryal, Near Sec-4 Barrier, Parwanoo, H.P. - 173220

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

Unit 3 : Sector 6 Industrial Estate, Plot/Shed No. 5 & 14, IMT BAWAL, Phase 1, Bawal, Rewari, Haryana-123501

Unit 4 : 53A/4,6 Rama Road Ind. Area, Near NDPL Grid Office, Delhi - 110015.

For Sales : +91 9250 885 885
For Service : +91 8510 885 885

sales@utlups.com
www.upsINVERTER.com



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to see the solar plant video

TECHNICAL DATA

Electrical Parameter at STC	Bifacial N-Type Module
Module Type	UTL510-132BT
Capacity rating – Pmax(Wp)	510
Power Tolerance	±2%
Rated voltage - Vmp(V)	39.54
Rated current - Imp(A)	12.90
Short circuit current - Isc(A)	13.47
Open circuit voltage - Voc(V)	46.11
Module efficiency (%)	21.28

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and Module temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

MECHANICAL SPECIFICATION

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Encapsulation	PID & UV resistance
Frame	Silver Anodized Aluminium Alloy
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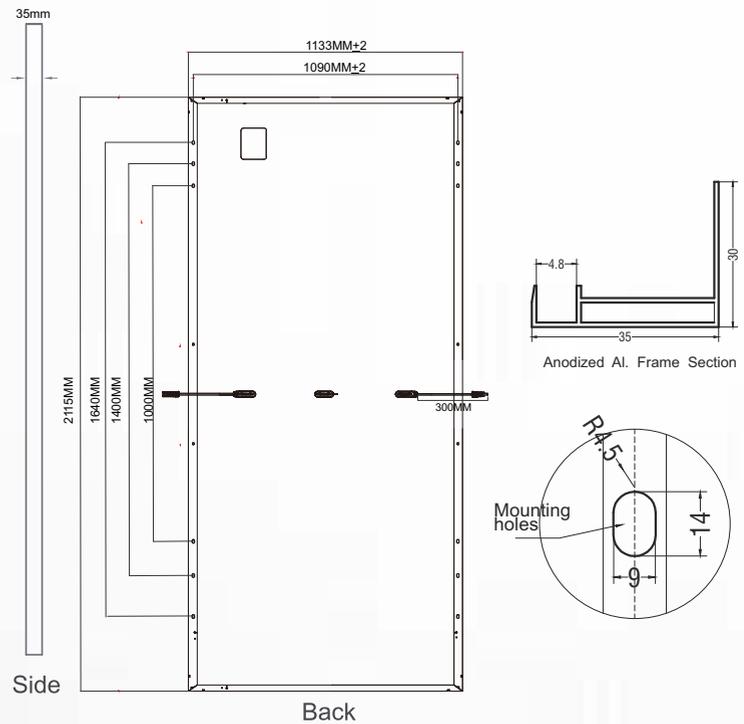
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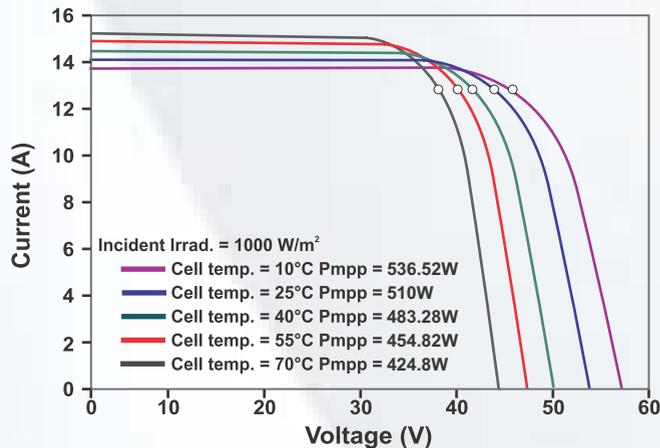
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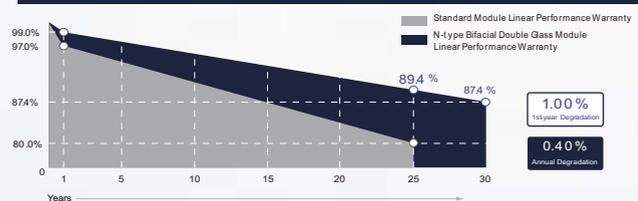
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