



DUAL GLASS | TOPCON MODULE



NEXT GEN N-TYPE BIFACIAL SOLAR PV MODULE

610 - 630 Wp

MAXIMUM POWER OUTPUT

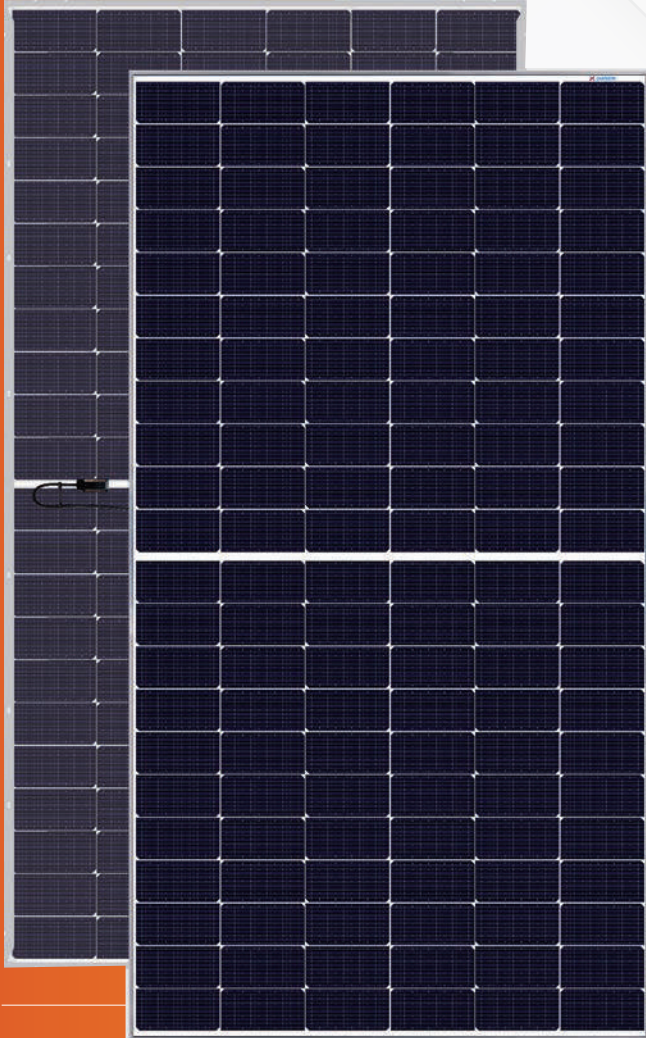
0~+5W

POSITIVE POWER TOLERANCE

23.34 %

MAXIMUM EFFICIENCY

RECTANGULAR 132 CELLS, 16BB



Lower LID & Per Year Degradation - Enhanced Power Generation Using TOPCon Technology



Lower LCOE & Faster ROI- Higher Bifaciality, Lower BOS Cost



Meeting Highest Quality Standards - Manufactured Using Certified Tier 1 BOM



Improved Temperature Coefficients Better Generation at Higher Temperature

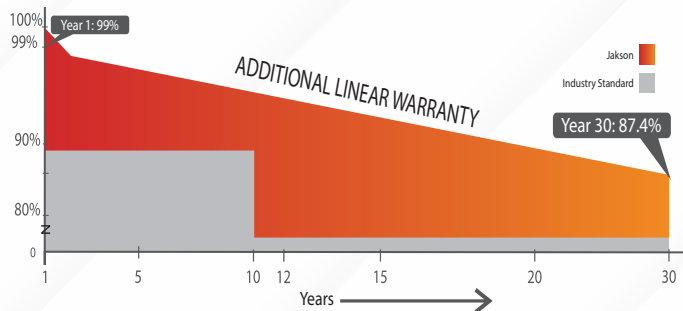


Excellent Module Performance - Reduced Resistive Loss with MBB Technology



Bifacial gain of Up To 30% with Dual Glass Module, Capable of Energy Generation with Both Direct and Reflected Sunlight.

Linear Performance Warranty



Approvals and Certificates *



9001:2015



14001:2015



45001:2018



IEC 61215, IEC 61730 (I & II), IEC 61853, IEC 62804, IEC 60068, IEC 61701, IEC 62716, IS 14286 (BIS), UL 61730, CEC, ISO 9001:2015, 14001:2015, 45001:2018 certified

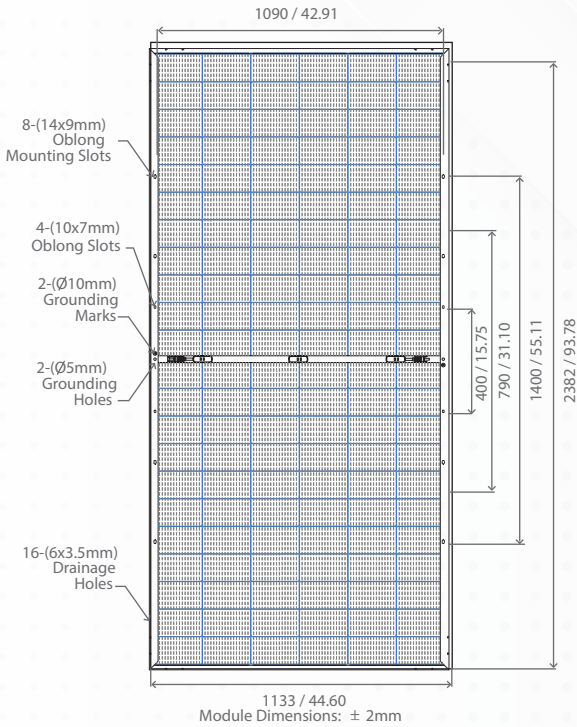
*Under Process

ELECTRICAL DATA - STC*

Model	Unit	JN-610G	JN-615G	JN-620G	JN-625G	JN-630G
Parameters		STC	STC	STC	STC	STC
Capacity rating Wp	Pmax	610	615	620	625	630
Max. Power Volatage in V	Vmp	40.46	40.60	40.74	40.88	41.02
Max. Power Current in A	Imp	15.08	15.15	15.22	15.29	15.36
Open Circuit Voltage in V	Voc	48.68	48.88	49.08	49.28	49.48
Short Circuit Current in A	Isc	15.96	16.02	16.08	16.14	16.20
Module Efficiency	%	22.60	22.79	22.97	23.16	23.34
Power Tolerance	Wp	-0/+4.99				

*STC Irradiance 1000 W/m², cell temprature 25°C, Air Mass AM 1.5 according to EN 60904-3. Aberage efficiency reduction of 4.5 % at 200 W/m² according to EN 60904-1. Measurement uncertainty 3%

Dimension of PV Module
Unit: mm/in



BI-FACIAL OUTPUT - REAR SIDE POWER GAIN

Model		JN-610G	JN-615G	JN-620G	JN-625G	JN-630G
10%	Power Output (W)	671	677	682	688	693
	Module Efficiency(%)	24.86	25.09	25.27	25.49	25.68
15%	Power Output (W)	702	707	713	719	725
	Module Efficiency(%)	26.01	26.20	26.42	26.64	26.86
20%	Power Output (W)	732	738	744	750	756
	Module Efficiency(%)	27.12	27.35	27.57	27.79	28.01
25%	Power Output (W)	763	769	775	781	788
	Module Efficiency(%)	28.27	28.49	28.72	28.94	29.20
Bifaciality Factor		80±5%				

*Bifaciality gain is dependent on various factors (Ground Reflectance, Tilt Angle, Location etc)

MECHANICAL DATA

Dimensions (L x W x H)	MM: 2382 x 1133 x 35/30 IN: 93.78 x 44.60 x 1.37/1.18
Weight	34.5 kgs 76.06 lbs
Junction Box	Split JB, IP68 with 3 bypass diodes
Cable	Solar Cable 4.0 mm ² / 0.006 in ² , 400 mm / 15.75 in (Higher Cable option available on request)
Front Super Strate	2.0 mm / 0.079 in, High Transmission, AR coated
Solar Cells	N-Type TOPCon - G12R (Rectangular 132 pcs Half Cut)
Cell Encapsulation	PID & UV Resistant (Coextruded POE)
Back Substrate	2.0 mm / 0.079 in, Heat strengthend Glass (Optional White Grid)
Frame	Anodized Aluminium Alloy
Mechanical Load Strength	5400 Pa (Snow Load), 2400 Pa (Wind Load)

TEMPERATURE RATINGS

Temperature Coefficient of Voc	-0.25%/°C
Temperature coefficient of Isc	-0.046%/°C
Temperature coefficient of Pmax	-0.29%/°C

PERMISSIBLE OPERATING CONDITIONS

Temperature Range	-40°C to + 85°C
Maximum System Voltage	1500 VDC
Max. Series Fuse Rating	35 A

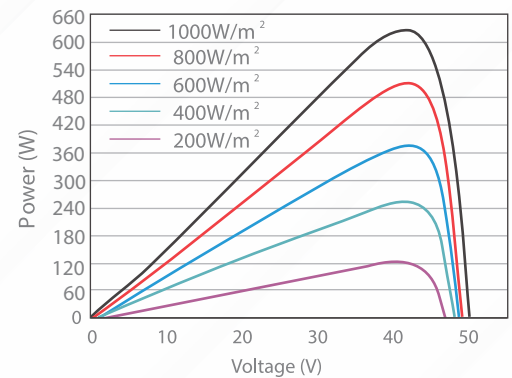
WARRANTY AND CERTIFICATIONS

Product Warranty	12 Years Product Warranty
Performance Guarantee	30 Year Linear Performance Warranty

PACKAGING CONFIGURATION

Vehicle Type	32FT	40FT
Modules Per Pallet	28	28
Modules Per Container	420	560

Power-Voltage Curve



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