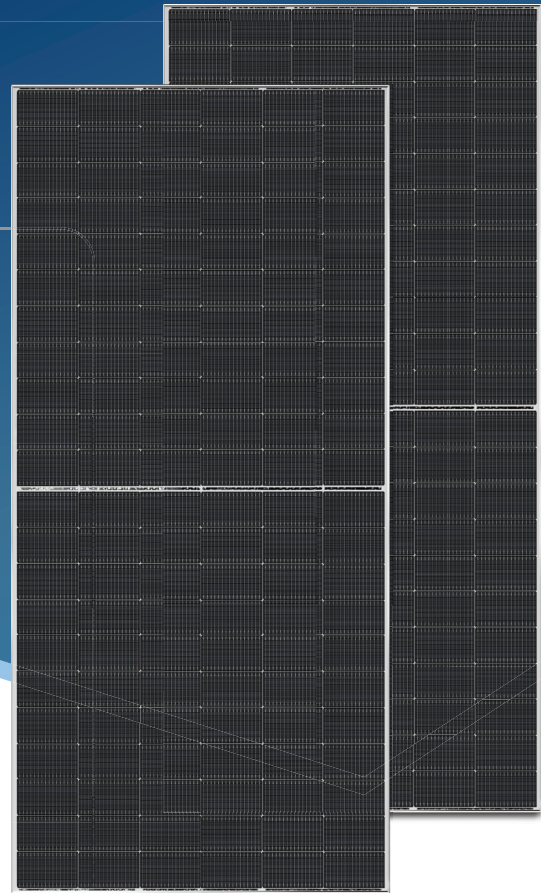


N-Type TOPCon 610-625Wp

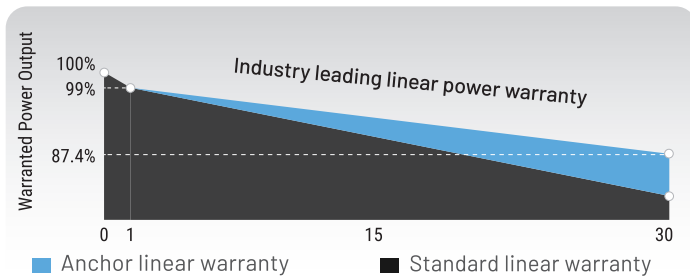
132 Half Cell TOPCon Dual Glass Bifacial Module
RSXXX132TGC



23.16% Maximum Efficiency	15 YEARS Product Warranty	30 YEARS Performance Warranty
0~+5W Positive Power Tolerance	80% +/- 5% Bifaciality Factor	

Industry-Leading Warranty based on Nominal Power

1% First Year Degradation **0.4%** Lowest Annual Degradation



- Lowest Temperature Coefficient -0.28%/°C
- Withstands Harsh Environment
- Apt for Ground Mount and Commercial & Industrial use
- Tested for Wind Load (2400 pascals) and Snow Load (5400 pascals)
- Superior Resistance to effects of PID
- N-Type TOPCon with Zero LID Loss

Quality Test and Certification



* Please refer to PLSIND Standard Module Installation Manual for details. ** Please refer to PLSIND Product Warranty for details.

RSXXX132TGC

ELECTRICAL CHARACTERISTICS

STC	RSXXX132TGC			
Nominal Maximum Power (Pmax)	610W	615W	620W	625W
Optimum Operating Voltage (Vmp)	40.95V	41.18V	41.37V	41.52V
Open Circuit Voltage (Voc)	48.54V	48.68V	48.92V	49.18V
Optimum Operating Current (Imp)	14.91A	14.95A	15.00A	15.06A
Short Circuit Current (Isc)	15.66A	15.69A	15.72A	15.73A
Module Efficiency	22.60%	22.79%	22.97%	23.16%
Operating Temperature (°C)	-40°C ~ +85°C			
Maximum System Voltage	1500 VDC			
Maximum Series Fuse Rating	35 A			
Power Tolerance	0, +5Wp			

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM=1.5
PLSIND reserves the right to adjust the listed parameters without notice.

NOCT	RSXXX132TGC			
Nominal Maximum Power (Pmax)	457W	461W	465W	468W
Optimum Operating Voltage (Vmp)	38.45V	38.67V	38.85V	38.99V
Open Circuit Voltage (Voc)	45.77V	45.91V	46.13V	46.38V
Optimum Operating Current (Imp)	11.90A	11.93A	11.97A	12.02A
Short Circuit Current (Isc)	12.62A	12.65A	12.67A	12.68A

NOCT: Irradiance 800 W/m², ambient temperature 20°C, AM=1.5, wind speed 1m/s.
PLSIND reserves the right to adjust the listed parameters without notice.

BIFACIAL GAIN (80±5%)	RSXXX132TGC			
5% Power Pmax	640.5W	645.7W	651.0W	656.2W
15% Power Pmax	701.5W	707.2W	713.0W	718.7W
25% Power Pmax	762.5W	768.7W	775.0W	781.2W

- Bifacial gain depends on the power plant design and albedo of installation site
- Power Bifaciality = Pmax(Rear)/Pmax(Front) and Pmax Front are tested under STC Measuring Tolerance: ±3%

TEMPERATURE CHARACTERISTICS

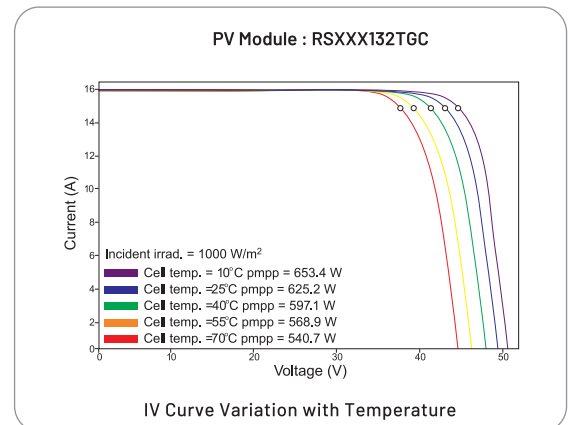
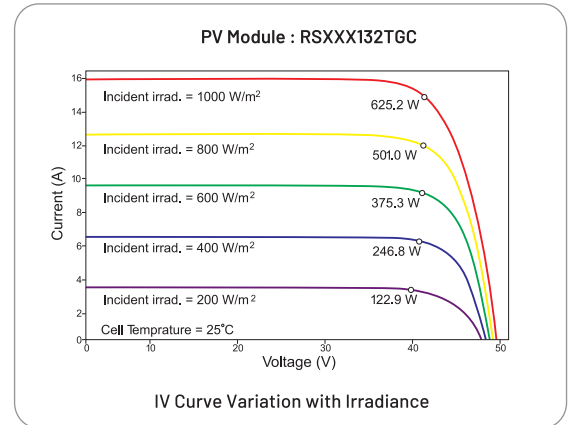
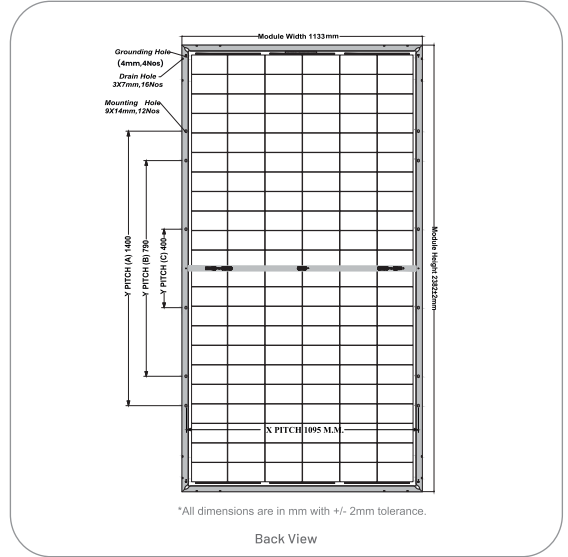
Temperature Coefficient of Pmax(γ)	-0.2827 %/°C
Temperature Coefficient of Voc(β)	-0.2277 %/°C
Temperature Coefficient of Isc(α)	0.0350 %/°C

MECHANICAL CHARACTERISTICS

Cell Type	N-Type G12R TOPCon 182 X 210 mm
No. of Cells	132 (11x6 11x6)
Dimensions	2382 × 1133 × 35 mm
Weight	34.5 kg
Front Glass	2.0 mm Semi-tempered glass
Rear Cover	2.0 mm Semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	3 Split, IP68 Rated
Output Cables	4.0 mm ² (-) 300 mm and (+) 300 mm in Length
Connectors	MC4 Compatible

PACKAGING CONFIGURATION

Container	40FT
Pieces per pallet	32
Pallets per container	20
Pieces per container	640



PLSIND stands for Panasonic Life Solutions India Pvt. Ltd.

Manufactured for & under quality control by - Panasonic Life Solutions India Pvt. Ltd.

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Manufactured by - Rayzon Solar Limited

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.