

N-Type TOPCon

600-630Wp

132 Half-Cell TOPCon Dual
Glass Bifacial Module
PE-132-XXXTHGB-G12R

23.32%

Maximum
Efficiency

12 YEARS

Product
Warranty

30 YEARS

Performance
Warranty

0~+5W

Positive Power
Tolerance

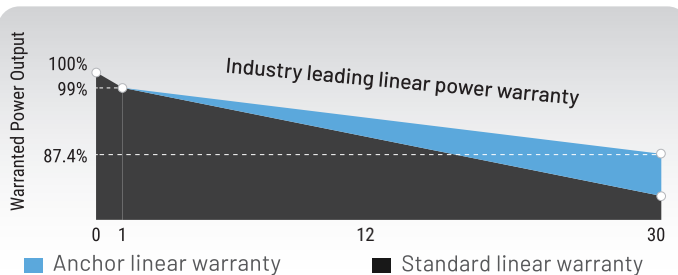
80% +/- 5%

Bifaciality
Factor

Industry-Leading Warranty based on Nominal Power

1% First Year
Degradation

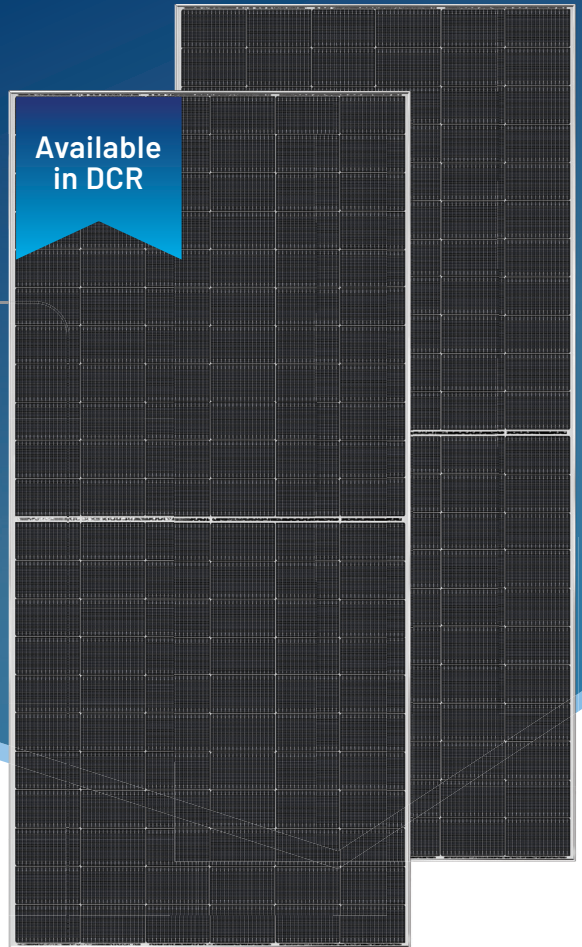
0.4% Lowest Annual
Degradation



Certifications
and Standards:



Available
in DCR



Lowest Temperature
Coefficient - 0.29%/°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



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

PE-132-XXXTHGB-G12R

STC	PE-132-XXXTHGB-G12R						
Nominal Maximum Power (Pmax)	600W	605W	610W	615W	620W	625W	630W
Optimum Operating Voltage (Vmp)	41.03V	41.21V	41.39V	41.57V	41.76V	41.94V	42.13V
Open Circuit Voltage (Voc)	48.79V	48.93V	49.06V	49.20V	49.34V	49.47V	49.61V
Optimum Operating Current (Imp)	14.63A	14.68A	14.74A	14.79A	14.85A	14.90A	14.96A
Short Circuit Current (Isc)	15.60A	15.61A	15.62A	15.62A	15.63A	15.64A	15.65A
Module Efficiency	22.21%	22.40%	22.58%	22.76%	22.95%	23.13%	23.32%
Operating Temperature (°C)	-40°C ~ +85°C						
Maximum System Voltage	1500 VDC						
Maximum Series Fuse Rating	30 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	PE-132-XXXTHGB-G12R						
Nominal Maximum Power (Pmax)	452.8W	456.5W	460.3W	464W	467.8W	471.6W	475.4W
Optimum Operating Voltage (Vmp)	38.58V	38.76V	38.93V	39.10V	39.27V	39.45V	39.62V
Open Circuit Voltage (Voc)	45.89V	46.02V	46.14V	46.27V	46.40V	46.53V	46.66V
Optimum Operating Current (Imp)	11.81A	11.85A	11.90A	11.94A	11.99A	12.03A	12.07A
Short Circuit Current (Isc)	12.60A	12.60A	12.61A	12.61A	12.62A	12.62A	12.63A

NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.
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BIFACIAL GAIN (80±5%)	PE-132-XXXTHGB-G12R						
5% Power Pmax	630.0W	635.2W	640.5W	645.7W	651.0W	656.2W	661.5W
15% Power Pmax	690.0W	695.7W	701.5W	707.2W	713.0W	718.7W	724.5W
25% Power Pmax	750.0W	756.2W	762.5W	768.7W	775.0W	781.2W	787.5W

- 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

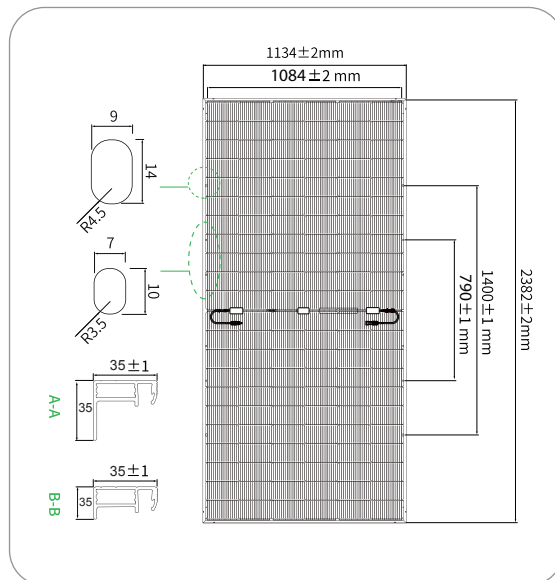
Temperature Coefficient of Pmax(γ)	-0.29 %/°C
Temperature Coefficient of Voc(β)	-0.25 %/°C
Temperature Coefficient of Isc(α)	+0.045 %/°C

MECHANICAL CHARACTERISTICS

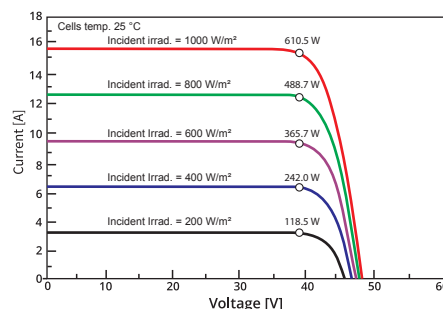
Cell Type	N-type G12R TOPCon 210.0mm X 182.3mm
No. of Cells	132 (11X6 11X6)
Dimensions	2382 X 1134 X 35 mm
Weight	33.5 kg
Front Glass	2.0 mm Anti-reflection coating
Rear Cover	2.0 mm Heat Strengthened Glass
Frame	Anodized aluminium alloy
Junction Box	3 Split, IP68 Rated
Output Cables	4.0 mm² 400 mm Cable Length
Connectors	MC4 Compatible

PACKAGING CONFIGURATION

Container	40FT
Pieces per pallet	31
Pallets per container	20
Pieces per container	620

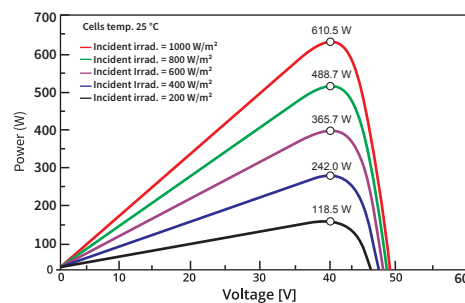


PV Module: PE-132-XXXTHGB-G12R



IV curve Variation with Irradiance

PV Module: PE-132-XXXTHGB-G12R



PV curve Variation with Irradiance

PLSIND stands for Panasonic Life Solutions India Pvt. Ltd.

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Manufactured by - Premier Energies Global Environment Private 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.