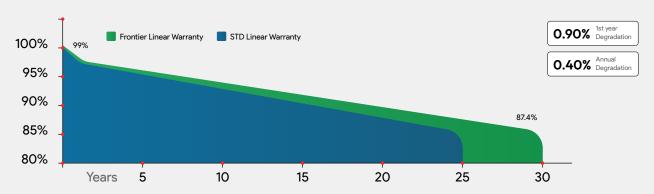


Linear Performance Warranty



Highlights



Up to 30% Additional Power Gain

When compared with conventional P-Type Module.



Better Output in Low Irradiance

Delivers higher power output even during cloudy, foggy, or low-irradiance days.



Bi-faciality Factor 80 \pm 5%

Captures additional energy from the rear side for improved total power output.



No LID Loss

Higher power generation



Better Temperature Co-efficient

Maintains higher energy output even in hot ambient conditions.



Reliable Performance over time

Full-automated facility with latest technology, durability & reliability.

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Technical Data

Dimensions in mm

1134 35 mm 1400 066 -33 -Frame Cross Section

(Long Side)

Multi Irradiance Curve

Bifacial Module @ 580 Wp

Cell Temp: 25°C

I-V Curves Incidence Irradiance = 1000 W/m² 580.3 Wp 14 465 8 Wr Incidence Irradiance = 800 W/m² 12 10 Incidence Irradiance = 600 W/m² 352.9 Wp Current (A) 8 Incidence Irradiance = 400 W/m² 236.2 Wp 6 Incidence Irradiance = 200 W/m² 119.6 Wp 2 0 0 10 20 30 40 50 60 Volatage (V)

Note: All the dimensions are ± 2 mm Tolerance



Temperature Coefficients & Operating Limits					
T _c of open circuit voltage (β)	-0.24% / °C				
T_{c} of short circuit current (a)	+0.05% / °C				
T _c of power (Y)	-0.30% / °C				
Maximum system voltage	1500 VDC (IEC & UL)				
NOCT	45% ± 2°C				
Temperature Range	-40°C to +85°C				

*STC: Irradiance 1000 W/m2, cell temperature 25C, Air mass AM 1.5 according to EN 60904-3. Average efficiency reduction is approx. 3% at 200 W/m2 according to EN 60904-1. Except Pmpp, all other parameter have tolerance of +/-2%, measurement uncertainty <3%.

BI-FACIAL Output - Backside Power Gain														
10%	Power Pmp	594	599.5	605	610.5	616	621.5	627	632.5	638	643.5	649	654.5	660
20%	Power Pmp	648	654.0	660	666.0	672	678.0	684	690.0	696	702.0	708	714.0	720
30%	Power Pmp	702	708.5	715	721.5	728	734.5	741	747.5	754	760.5	767	773.5	780

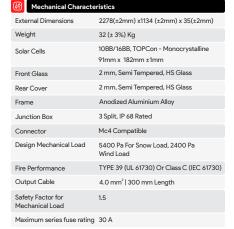
- Bifacial gains depends on the power plant design & albedo of installation site.
- Power Bifaciality = Pmax (Rear) / Pmax (Front) are tested under STC

Packaging Configuration						
Container	40' HQ	Pieces / Pallet	31			
Pallets / Container	20	Pieces / Container	620			

Frame Profile Dimensions					
Long	35x33 mm				
Short	35x18 mm				

Measuring Tolerance: ±3%















- - 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.

Caution: Please read safety and installation instructions before using the product.

Frontier Energies Pvt. Ltd.

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Warranty & Certifications

- ☑ 15 Years of Product Warranty.**
- Performance Warranty: Power degradation <1.0% in first year, <0.40% / year in 2-30 years.*
- Approvals & Certificates: IS 14286: 2010/ IEC 61215: 2005. IS/IEC 61730 (PART 1): 2004 & IS/IEC 61730 (PART 2): 2004

Note: Please read Frontier Energies Pvt. Ltd.'s warranty documents thoroughly.

Frontier Energies Pvt. Ltd.

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