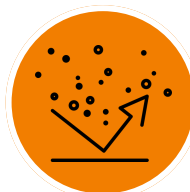


PRODUCT KEY FEATURES



AR Coated Glass
for
Maximum Power



Superior
PID
Resistance



Lower LCOE
&
system cost



Lower
temperature
coefficient

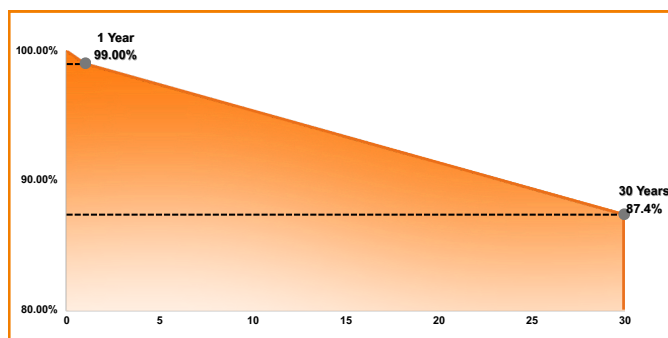


Excellent
weaklight
performance



Withstands
snow & wind loads
(up to 5400 Pa &
2400 Pa)

PERFORMANCE WARRANTY



625 Wp

**N-TYPE TOPCON
BIFACIAL (GLASS TO GLASS)**



30 Years Warranty for
Linear Performance*



12 Years Product
Performance Warranty*

MAXIMUM EFFICIENCY

23.14 %

PRODUCT CERTIFICATES



**132
Half-Cut
Solar Cell**

ELECTRICAL CHARACTERISTICS (STC)

Electrical Performance: Power tolerance: 0 to +4.99 W. Measurement accuracy within $\pm 3\%$. Typical NOCT: $45.08^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

Pmax (Wp)	625
Vmp (V)	45.86
Imp (A)	13.63
Voc (V)	55.56
Isc (A)	14.30
Module Efficiency (%)	23.14

ELECTRICAL CHARACTERISTICS (NOCT)

Note: Based on 800 W/m^2 , 20°C , 1 m/s conditions.

Pmax (Wp)	477
Vmp (V)	43.37
Imp (A)	11.01
Voc (V)	52.57
Isc (A)	11.55

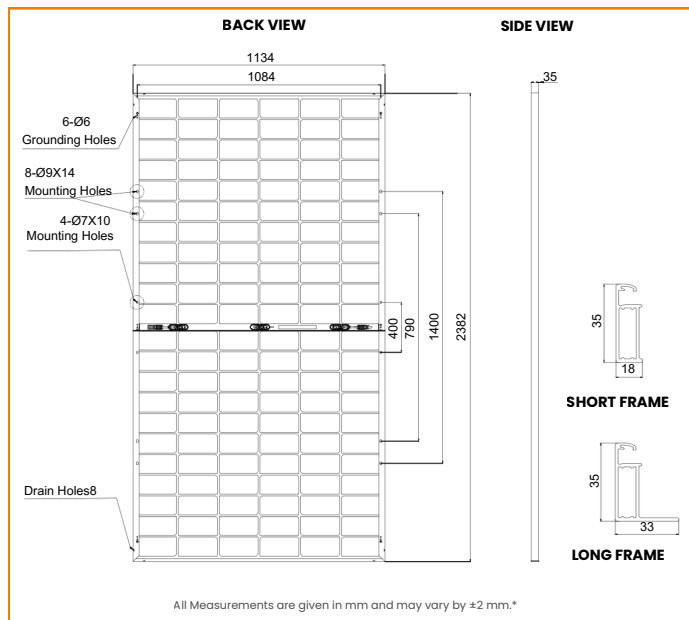
BIFACIAL OUTPUT – BACKSIDE POWER GAIN

@ STC* [BIFACIALITY FACTOR: $80\% \pm 10\%$]

Note: Actual Bifacial gain depends on system Layout and Site Location.*

5%	Power Output (W)	656
	Efficiency (%)	24
15%	Power Output (W)	719
	Efficiency (%)	27
25%	Power Output (W)	781
	Efficiency (%)	29

DIMENSIONS



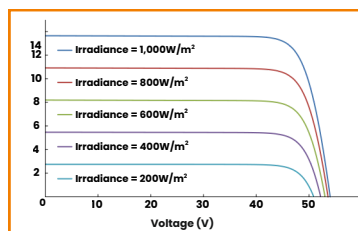
MECHANICAL CHARACTERISTICS

Solar Cell	G12R N-type TOPCon Bifacial
No of Cell	132 Half-Cut
Dimensions	2382 (L) x 1134 (W) x 35 (T)
Weight (kgs)	34.5
Front Glass	Low Iron Tempered ARC Glass- 2.0 mm
Rear Glass	Low Iron Tempered ARC Glass- 2.0 mm
Frame	Anodized Aluminum Alloy
Junction Box	30A, IP68 rated (3 bypass diodes)
Cable & Connectors	4 sq. mm, 400 mm length (MC4 Compatible/ MC4 Connectors)
Maximum System Voltage	1500 VDC
Operating Temperature:	-40°C to $+85^{\circ}\text{C}$
Power Tolerance	$\pm 2\%$
Application Class Rating	Class A (Safety Class II)

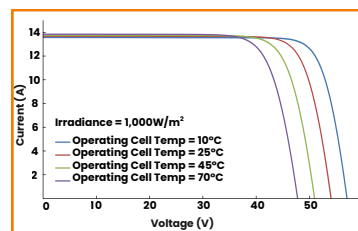
THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α ($\%/^{\circ}\text{C}$)	+0.049
Temperature coefficient of Voltage (Voc), β ($\%/^{\circ}\text{C}$)	-0.270
Temperature coefficient of Power (Pm), γ ($\%/^{\circ}\text{C}$)	-0.340
Nominal Module Operating Temperature (NMOT)	$45 \pm 2^{\circ}\text{C}$
Bifaciality Factor	$80\% \pm 10\%$

IV CURVE VARIATION – IRRADIANCE



IV CURVE VARIATION – TEMPERATURE



DISCLAIMER

- Read the Safety and Installation Manual before using the product.
- Specifications in this datasheet may change without prior notice.
- Electrical data is for reference only and not guaranteed.
- Confirm your exact requirements with a Sahaj Solar representative before placing an order.