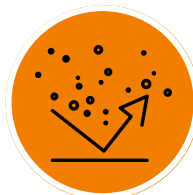


PRODUCT KEY FEATURES



AR Coated Glass
for
Maximum Power



Superior
PID
Resistance



Lower LCOE
&
system cost



Lower
temperature
coefficient

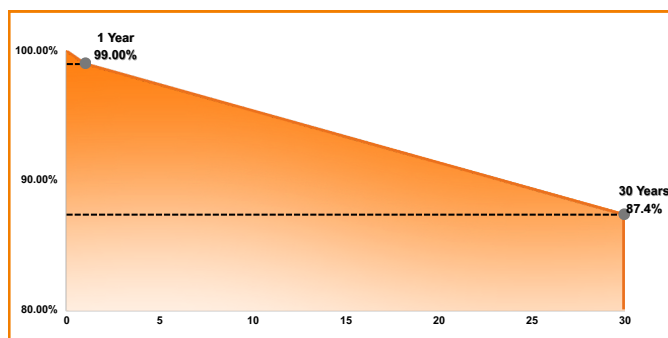


Excellent
weaklight
performance



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

PERFORMANCE WARRANTY



Signature

575 Wp – 630 Wp

N-TYPE TOPCON BIFACIAL (GLASS TO GLASS)



30 Years Warranty for
Linear Performance*



12 Years Product
Performance Warranty*

MAXIMUM EFFICIENCY

22.53 %

PRODUCT CERTIFICATES



**156
Solar Cell**

ELECTRICAL CHARACTERISTICS (STC)

Electrical Performance: Power tolerance: 0 to +4.99 W. Measurement accuracy within ±3%. Typical NOCT: 45.08 °C ± 2 °C.

Pmax (Wp)	575	580	585	590	595	600
Vmp (V)	42.60	42.70	42.75	42.80	43	43.20
Imp (A)	13.50	13.60	13.70	13.80	13.85	13.90
Voc (V)	51.15	51.25	51.35	51.40	51.45	51.50
Isc (A)	14.25	14.35	14.45	14.50	14.55	14.60
Module Efficiency (%)	20.56	20.74	20.92	21.10	21.28	21.46

ELECTRICAL CHARACTERISTICS (NOCT)

Note: Based on 800 W/m², 20 °C, 1 m/s conditions.

Pmax (Wp)	470	476	481	485	490	494
Vmp (V)	42.43	42.53	42.58	42.63	42.83	43.03
Imp (A)	11.08	11.18	11.28	11.38	11.43	11.48
Voc (V)	50.54	50.64	50.74	50.79	50.84	50.89
Isc (A)	12.03	12.13	12.23	12.28	12.33	12.38

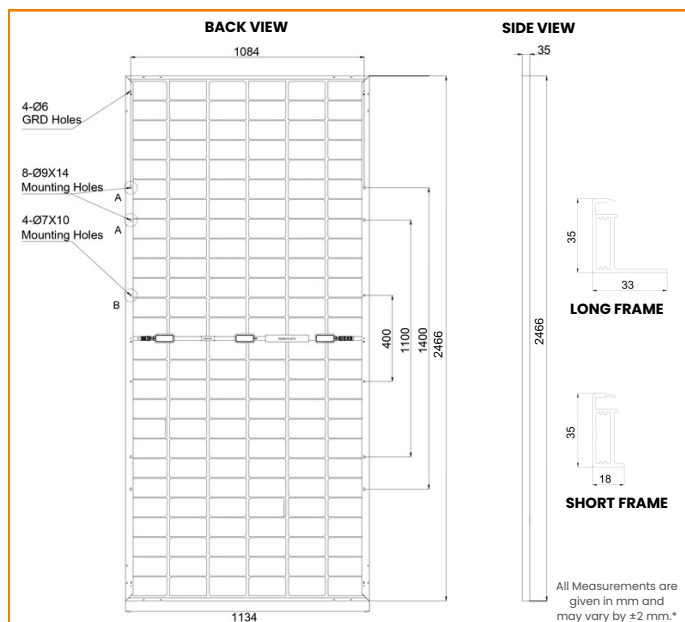
BIFACIAL OUTPUT – BACKSIDE POWER GAIN

@ STC* [BIFACIALITY FACTOR: 80% ± 10%]

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

5%	Power Output (W)	604	609	614	620	625	630
	Efficiency (%)	21.59	21.78	21.97	22.16	22.34	22.53
15%	Power Output (W)	661	667	673	679	684	690
	Efficiency (%)	23.64	23.85	24.06	24.27	24.47	24.68
25%	Power Output (W)	719	725	731	738	744	750
	Efficiency (%)	25.70	25.93	26.15	26.38	26.60	26.83

DIMENSIONS



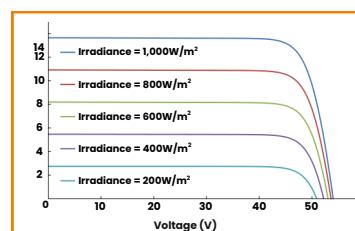
MECHANICAL CHARACTERISTICS

Solar Cell	TOPCon N type 91*182 mm, 16BB
No of Cell	156 Nos.
Dimensions	2466 (L) x 1134 (W) x 35 (T)
Weight (kgs)	38.5
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°C
Power Tolerance	+/-2%
Application Class Rating	Class A (Safety Class II)

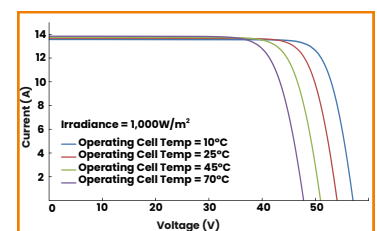
THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α (%/°C)	0.046
Temperature coefficient of Voltage (Voc), β (%/°C)	-0.20
Temperature coefficient of Power (Pm), γ (%/°C)	-0.30
Nominal Module Operating Temperature (NMOT)	45.4 ± 2 °C
Bifaciality Factor	80% ± 10%

IV CURVE VARIATION – IRRADIANCE



IV CURVE VARIATION – TEMPERATURE



SHIPPING CONFIGURATIONS

Modules Per Pallet (pcs)	29
Container Size (HC)	40 Feet
Pallets Per Container	16
Modules Per Container (pcs)	464

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.

ELECTRICAL CHARACTERISTICS (STC)

Electrical Performance: Power tolerance: 0 to +4.99 W. Measurement accuracy within ±3%. Typical NOCT: 45.08 °C ± 2 °C.

Pmax (Wp)	605	610	615	620	625	630
Vmp (V)	45.95	46	46.10	46.15	46.30	46.35
Imp (A)	13.20	13.30	13.35	13.45	13.50	13.60
Voc (V)	54.85	55	55.15	55.30	55.45	55.55
Isc (A)	14.05	14.10	14.15	14.20	14.25	14.35
Module Efficiency (%)	21.63	21.81	21.99	22.17	22.35	22.53

ELECTRICAL CHARACTERISTICS (NOCT)

Note: Based on 800 W/m², 20 °C, 1 m/s conditions.

Pmax (Wp)	490	495	500	505	510	515
Vmp (V)	45.78	45.83	45.93	45.98	46.13	46.18
Imp (A)	10.78	10.88	10.93	11.03	11.08	11.18
Voc (V)	54.24	54.39	54.54	54.69	54.84	54.94
Isc (A)	11.83	11.88	11.93	11.98	12.03	12.13

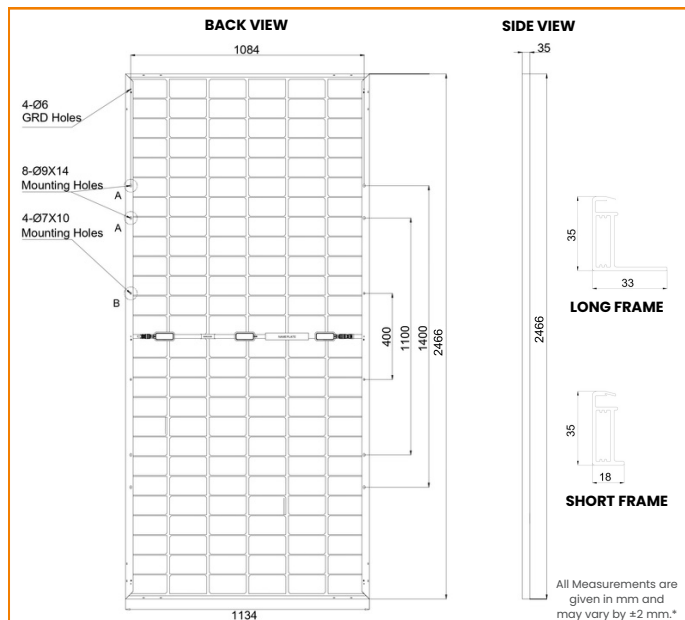
BIFACIAL OUTPUT – BACKSIDE POWER GAIN

@ STC* [BIFACIALITY FACTOR: 80% ± 10%]

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

5%	Power Output (W)	635	641	646	651	656	662
	Efficiency (%)	22.71	22.90	23.09	23.28	23.47	23.66
15%	Power Output (W)	696	702	707	713	719	725
	Efficiency (%)	24.87	25	25.29	25.5	25.7	25.91
25%	Power Output (W)	756	763	769	775	781	788
	Efficiency (%)	27.04	27.26	27.49	27.71	27.94	28.16

DIMENSIONS



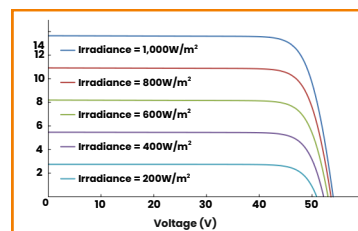
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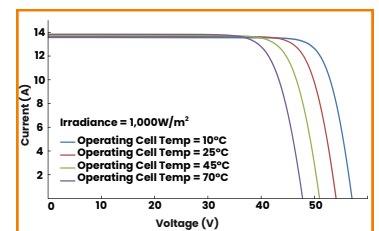
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