

TOPCON BIFACIAL SOLAR CELL

Technical parameters

Size	182.2mm x 183.75mm±0.5mm
Thickness	130μm±20μm
Front(-)	16BB half-cut design Bus bar width 0.03±0.02mm. Silicon oxide + blue silicon nitride compound anti-reflection coating (Anti-PID)
Back(+)	16BB half-cut design Bus bar width 0.03±0.02mm Passivated layer (AlOx and SiNx) and Rear Contact (Al)

Intensity Dependence

Intensity(W/m ²)	Voc(mV)	Isc(mA)
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

*Voc(Isc) is 1000W/m², Voc(Isc) Output ratio.

Electrical Parameters

Eff(%)	Pm(Wp)	Umpp(V)	Impp(A)	Voc(V)	Isc(A)
25.2	8.43	0.6330	13.3175	0.73635	14.13
25.1	8.40	0.6320	13.2911	0.73532	14.12
25.0	8.37	0.6310	13.2647	0.73429	14.11
24.9	8.33	0.6300	13.2222	0.73326	14.10
24.8	8.30	0.6290	13.1955	0.73223	14.09
24.7	8.27	0.6260	13.2109	0.73120	14.08
24.6	8.23	0.6259	13.1491	0.73017	14.07
24.5	8.20	0.6257	13.1053	0.72914	14.06
24.4	8.17	0.6255	13.0616	0.72811	14.05
24.3	8.13	0.6251	13.0059	0.72708	14.04
24.2	8.10	0.6250	13.9600	0.72605	14.03
24.1	8.07	0.6247	13.9182	0.72502	14.02
24.0	8.03	0.6245	13.8583	0.72399	14.01
23.9	8.00	0.6244	13.8123	0.72296	14.00
23.8	7.97	0.6240	13.7724	0.72193	13.99
23.7	7.93	0.6237	13.7144	0.72090	13.98
23.6	7.90	0.6232	13.6765	0.71987	13.97
23.5	7.87	0.6227	13.6385	0.71884	13.96

*Under Standard Testing Conditions(STC): Irradiance1000W/m², AM1.5, Temperature25°C.

Temperature coefficient

TkVoltage: -0.26%/K

TkCurrent: +0.046%/k

TkPower: -0.32%/K

Iv curve

