










SOLAR PLUS

TN182A-R16D1

Monocrystalline Bifacial TOPCon Cell

PRODUCT CHARACTERISTICS

-  HIGH CONVERSION EFFICIENCY WITH HIGH RELIABILITY
-  NO LIGHT-INDUCED DEGRADATION
-  STABLE MANUFACTURING PROCESS, UNIFORM ELECTRICAL PERFORMANCE
-  HIGH BIFACIALITY GUARANTEES MORE ELECTRICITY GENERATION
-  LOW HOT SPOT EFFECT
-  LOW MISMATCH OF CELL PERFORMANCE DURING ENCAPSULATION
-  EXCELLENT POWER GENERATION PERFORMANCE UNDER LOW IRRADIATION

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ELECTRIC PERFORMANCE

MODEL(%)	Power Pmpp(w)	Max.Power Voltage Vmpp(V)	Max.Power Current Imp(A)	Open Circuit Voltage Voc(V)	Short Circuit Current Isc(A)
>25.5	8.42	0.617	13.651	0.718	14.2181
25.4~25.5	8.38	0.616	13.606	0.717	4.183
25.3-25.4	8.35	0.615	13.577	0.716	14.148
25.2-25.3	8.32	0.614	13.553	0.715	14.113
25.1-25.2	8.29	0.613	13.518	0.714	14.078
25.0 25.1	8.25	0.612	13.475	0.713	14.035
24.9-25.0	8.22	0.611	13.440	0.712	14.000
24.8-24.9	8.19	0.611	13.405	0.712	13.965
24.7~24.8	8.16	0.610	13.370	0.711	13.930
24.6~24.7	8.12	0.609	13.335	0.710	13.895
24.5~24.6	8.09	0.608	13.300	0.709	13.860
24.4~24.5	8.06	0.607	13.265	0.708	13.825
24.3~24.4	8.02	0.607	13.230	0.708	13.790
24.2~24.3	7.99	0.606	13.195	0.707	13.755
24.1~24.2	7.96	0.605	13.155	0.706	13.715
24.0~24.1	7.92	0.604	13.115	0.705	13.675
23.9~24.0	7.89	0.603	13.080	0.704	13.640
23.8~23.9	7.86	0.602	13.055	0.703	13.615
23.7~23.8	7.82	0.602	13.006	0.702	13.581
23.6~23.7	7.79	0.601	12.968	0.701	13.543
23.5~23.6	7.76	0.600	12.931	0.700	13.501
23.4~23.5	7.73	0.599	12.893	0.699	13.478
23.3~23.4	7.69	0.598	12.855	0.698	13.432
23.2~23.3	7.66	0.598	12.817	0.697	13.392
23.1~23.2	7.63	0.597	12.779	0.696	13.347
23.0~23.1	7.59	0.596	12.740	0.696	13.303
22.9-23.0	7.56	0.595	12.702	0.695	13.260
22.8~22.9	7.53	0.594	12.664	0.694	13.218

Under standard test condition: 1000W/m², AM 1.5, 25°C

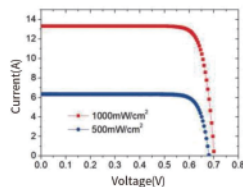
ELECTRIC PERFORMANCE

Current Temperature Coefficient	TkCurrent: +0.046 %/K
Voltage Temperature Coefficient	TkVoltage: -0.26 %/K
Power Temperature Coefficient	TkPower: -0.30 %/K

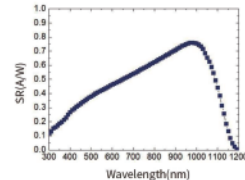
PRODUCT FEATURES

Dimension:	182mmx182mm±0.5mm, Φ247mm±0.5mm
Cell Thickness:	130μm±13μm
Front side:	16BB, Silicon nitride antireflection coating
Back side:	16BB, Silicon nitride antireflection coating

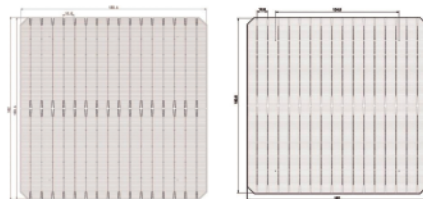
IV CURVE



SPECTRAL RESPONSE(SR)



PRODUCT DESIGN



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