



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

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)
25.5	8.42	0.644	13.073	0.735	13.709
25.4	8.39	0.643	13.042	0.733	13.699
25.3	8.35	0.642	13.011	0.732	13.682
25.2	8.32	0.641	12.979	0.731	13.663
25.1	8.29	0.640	12.948	0.730	13.652
25.0	8.26	0.638	12.942	0.729	13.641
24.9	8.22	0.637	12.906	0.727	13.636
24.8	8.19	0.635	12.895	0.725	13.632
24.7	8.15	0.635	12.842	0.723	13.629
24.6	8.12	0.633	12.830	0.721	13.623
24.5	8.09	0.632	12.799	0.719	13.617
24.4	8.05	0.630	12.786	0.717	13.609
24.3	8.03	0.628	12.780	0.716	13.594
24.2	7.99	0.626	12.764	0.715	13.557
24.1	7.96	0.624	12.752	0.714	13.533
24.0	7.92	0.622	12.739	0.713	13.513

Under standard test condition: 1000W/m², AM 1.5, 25±2°C

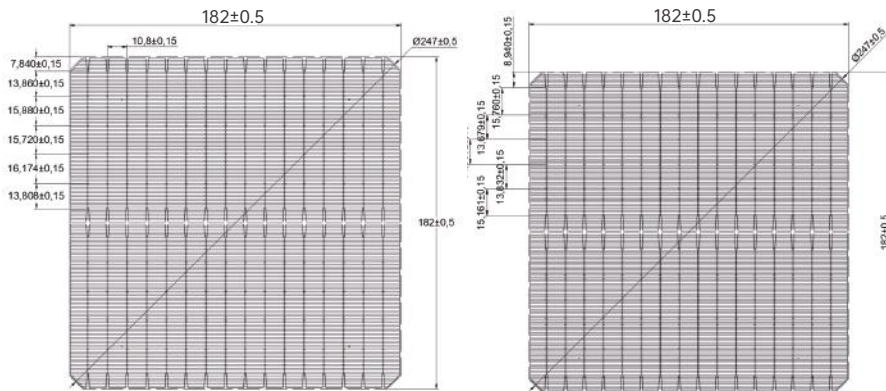
TEMPERATURE COEFFICIENTS

TkCurrent	+(0.046±0.015) %/K
TkVoltage	-(0.26±0.03) %/K
TkPower	-(0.31±0.02) %/K

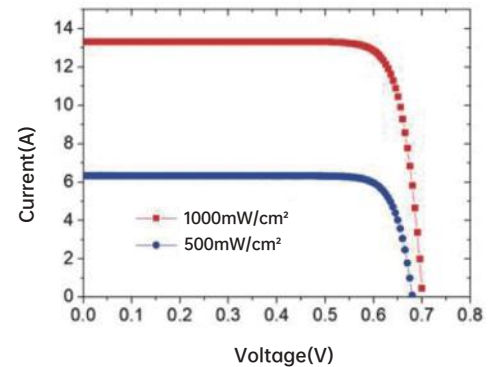
PRODUCT FEATURES

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

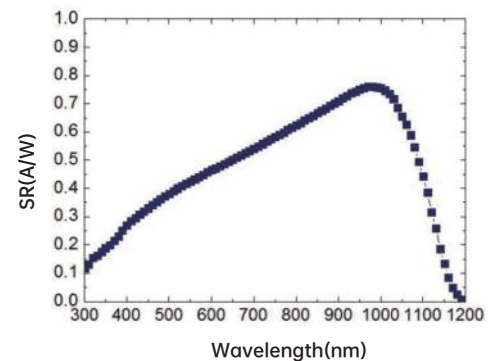
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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