






**SOLAR PLUS**

**TN182B-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	8.49	0.644	13.188	0.734	13.830
25.4	8.46	0.643	13.156	0.733	13.820
25.3	8.43	0.642	13.125	0.732	13.802
25.2	8.39	0.641	13.093	0.731	13.783
25.1	8.36	0.640	13.062	0.730	13.772
25.0	8.33	0.638	13.055	0.729	13.761
24.9	8.29	0.637	13.019	0.727	13.755
24.8	8.26	0.635	13.008	0.725	13.751
24.7	8.23	0.635	12.955	0.723	13.749
24.6	8.19	0.633	12.942	0.721	13.743
24.5	8.16	0.632	12.912	0.719	13.737
24.4	8.13	0.630	12.898	0.717	13.729
24.3	8.10	0.628	12.892	0.716	13.713
24.2	8.06	0.626	12.876	0.715	13.676
24.1	8.03	0.624	12.864	0.714	13.652
24.0	7.99	0.622	12.851	0.713	13.632

Under standard test condition: 1000W/m<sup>2</sup>, AM 1.5, 25±2°C

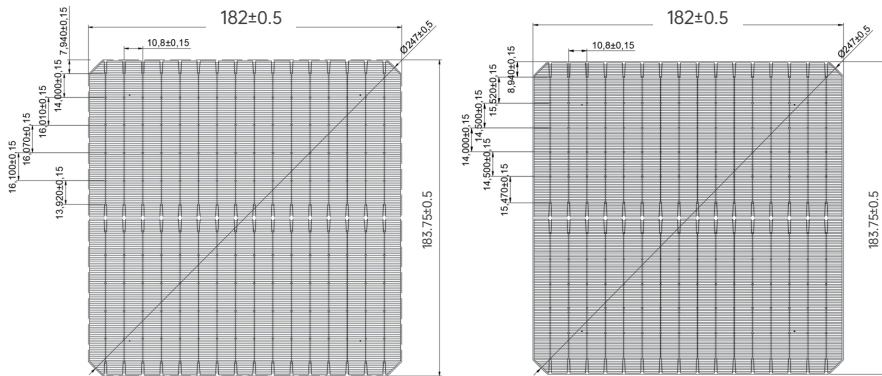
## TEMPERATURE COEFFICIENTS

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

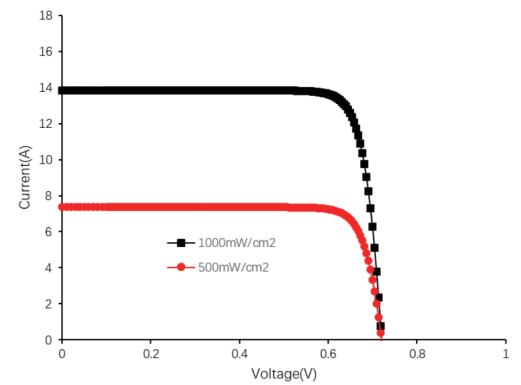
## PRODUCT FEATURES

Dimension	182mm×183.75mm(±0.5mm), φ247mm±0.5mm
Cell Thickness	130μm(±13μm)
Front side	16BB, silicon nitride antireflection coating
Back side	16BB, silicon nitride antireflection coating

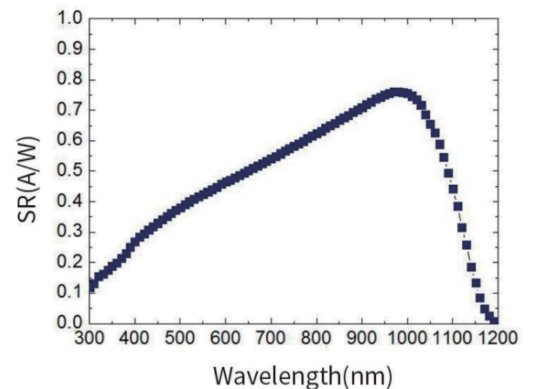
## PRODUCT DESIGN



## IV CURVE



## SPECTRAL RESPONSE(SR)



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