



**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)
24.7	8.16	0.615	13.261	0.716	13.833
24.6	8.12	0.614	13.226	0.715	13.798
24.5	8.09	0.613	13.192	0.714	13.763
24.4	8.06	0.612	13.157	0.713	13.728
24.3	8.02	0.612	13.122	0.713	13.693
24.2	7.99	0.611	13.087	0.712	13.658
24.1	7.96	0.61	13.047	0.711	13.619
24	7.92	0.609	13.007	0.71	13.579
23.9	7.89	0.608	12.972	0.709	13.544
23.8	7.86	0.607	12.947	0.708	13.519
23.7	7.82	0.607	12.899	0.707	13.485
23.6	7.79	0.606	12.861	0.706	13.447
23.5	7.76	0.605	12.824	0.705	13.405
23.4	7.73	0.604	12.786	0.704	13.382
23.3	7.69	0.603	12.748	0.703	13.336
23.2	7.66	0.603	12.711	0.702	13.297
23.1	7.63	0.602	12.673	0.701	13.252
23	7.59	0.601	12.634	0.701	13.208

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

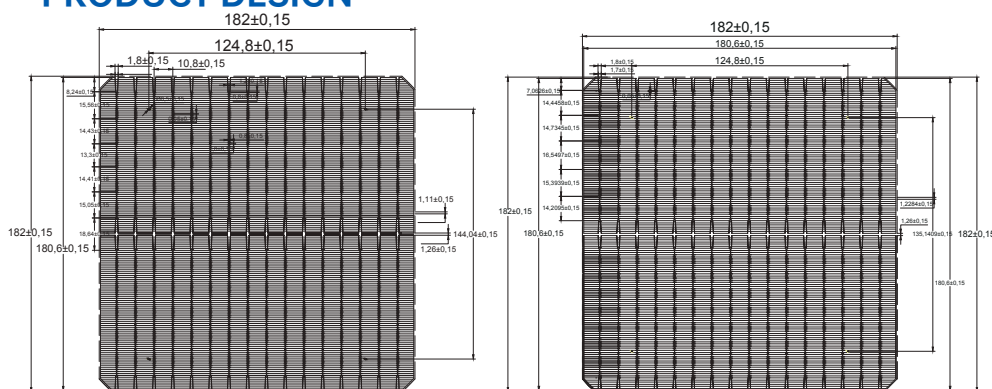
## TEMPERATURE COEFFICIENTS

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

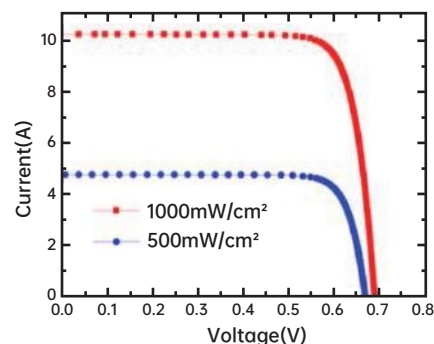
## PRODUCT FEATURES

Dimension	182mmx182mm(±0.5mm), Φ247mm±0.5mm
Cell Thickness	130μm(±20μm)
Front side	16BB, silicon nitride antireflection coating
Back side	16BB, silicon nitride antireflection coating

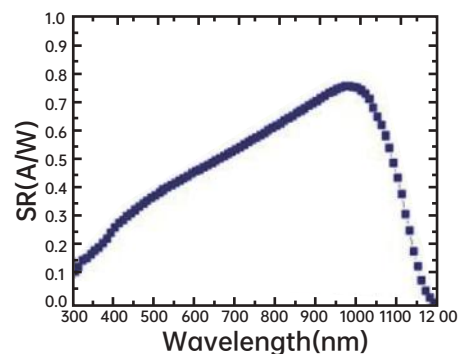
## PRODUCT DESIGN



## IV CURVE



## SPECTRAL RESPONSE(SR)



**SOLAR N PLUS NEW ENERGY TECHNOLOGY CO., LTD**

No.1 Jianye road, Zhongxin Suchu Industrial Development Zone, Chuzhou City, 239000, Anhui Province, China  
025-52806120  
www.solarnplus.com

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