



SOLARPLUS

TN182A-R10D1

Monocrystalline Bifacial N-Type 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)	Imp(A)	Voc(V)	Isc(A)
24.7	8.15	0.635	12.842	0.723	13.712
24.6	8.12	0.633	12.830	0.721	13.706
24.5	8.09	0.632	12.799	0.719	13.700
24.4	8.05	0.630	12.786	0.717	13.692
24.3	8.03	0.628	12.780	0.716	13.677
24.2	7.99	0.626	12.764	0.715	13.640
24.1	7.96	0.624	12.752	0.714	13.616
24.0	7.92	0.622	12.739	0.713	13.596
23.9	7.89	0.620	12.726	0.712	13.568
23.8	7.85	0.618	12.716	0.711	13.544
23.7	7.82	0.616	12.703	0.710	13.513

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

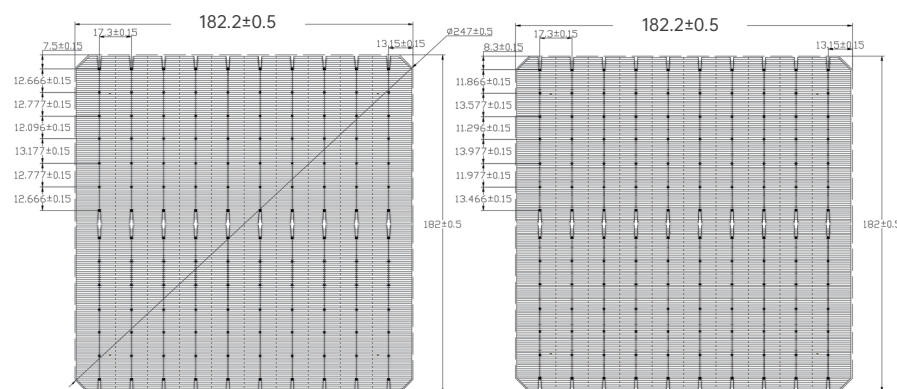
TEMPERATURE COEFFICIENTS

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

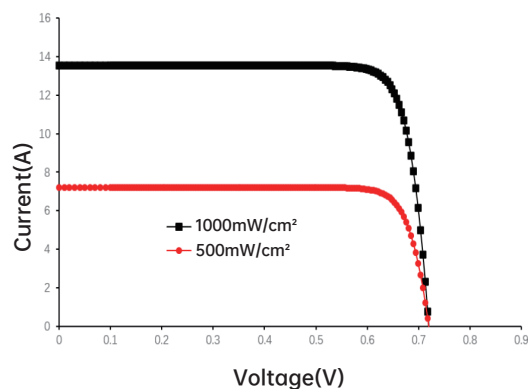
PRODUCT FEATURES

Dimension	182mm×182mm(±0.5mm), Φ247mm±0.5mm
Cell Thickness	130μm(±20μm)
Front side	10BB, silicon nitride antireflection coating
Back side	10BB, silicon nitride antireflection coating

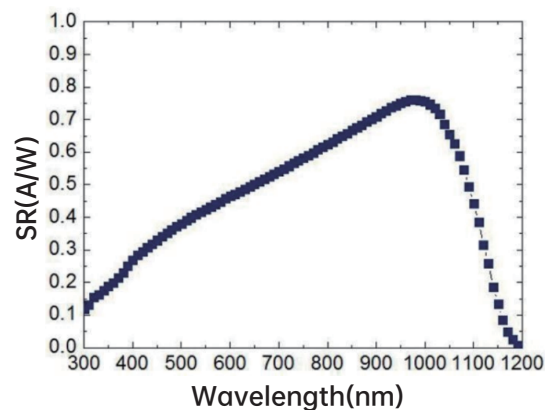
PRODUCT DESIGN



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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