



SOLARPLUS

TN182B-R16D1

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)
25.5	8.54	0.644	13.253	0.734	13.899
25.4	8.50	0.643	13.222	0.733	13.889
25.3	8.47	0.642	13.190	0.732	13.871
25.2	8.43	0.641	13.159	0.731	13.852
25.1	8.40	0.640	13.127	0.730	13.841
25.0	8.37	0.638	13.116	0.729	13.824
24.9	8.33	0.637	13.084	0.727	13.824
24.8	8.30	0.635	13.072	0.725	13.819
24.7	8.27	0.635	13.019	0.723	13.817
24.6	8.23	0.633	13.008	0.721	13.812
24.5	8.20	0.632	12.975	0.719	13.805
24.4	8.17	0.630	12.963	0.717	13.798
24.3	8.13	0.628	12.951	0.716	13.776
24.2	8.10	0.626	12.939	0.715	13.743
24.1	8.07	0.624	12.927	0.714	13.719
24.0	8.03	0.622	12.915	0.713	13.700

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

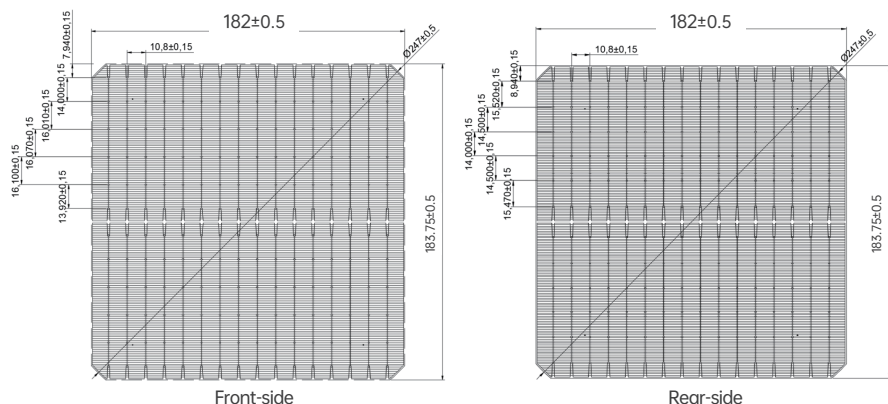
TEMPERATURE COEFFICIENTS

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

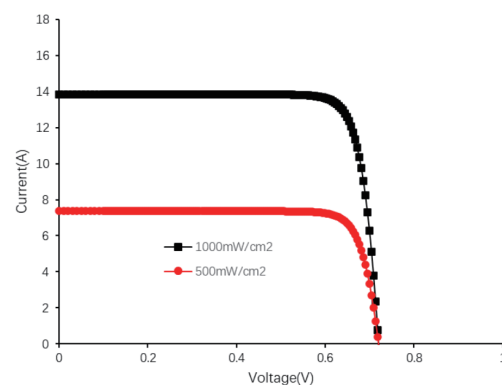
PRODUCT FEATURES

Dimension	182mm×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

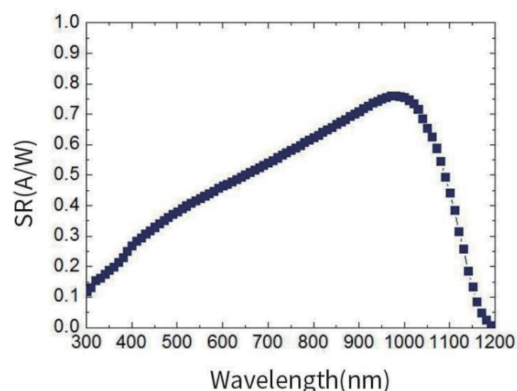
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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