



SOLARPLUS

TN182B-Q10D1

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	14.057
25.4	8.50	0.643	13.222	0.733	14.035
25.3	8.47	0.642	13.190	0.732	14.009
25.2	8.43	0.641	13.159	0.731	13.981
25.1	8.40	0.640	13.127	0.730	13.956
25.0	8.37	0.638	13.116	0.729	13.930
24.9	8.33	0.637	13.084	0.727	13.918
24.8	8.30	0.635	13.072	0.725	13.910
24.7	8.27	0.634	13.040	0.723	13.901
24.6	8.23	0.633	13.008	0.721	13.896
24.5	8.20	0.632	12.975	0.719	13.889
24.4	8.17	0.630	12.963	0.717	13.882
24.3	8.13	0.628	12.951	0.716	13.860
24.2	8.10	0.626	12.939	0.715	13.827
24.1	8.07	0.624	12.927	0.714	13.803
24.0	8.03	0.622	12.915	0.713	13.783
23.9	8.00	0.620	12.903	0.712	13.755
23.8	7.97	0.618	12.890	0.711	13.730
23.7	7.93	0.616	12.878	0.710	13.699
23.6	7.90	0.614	12.865	0.709	13.665
23.5	7.87	0.613	12.831	0.708	13.632

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

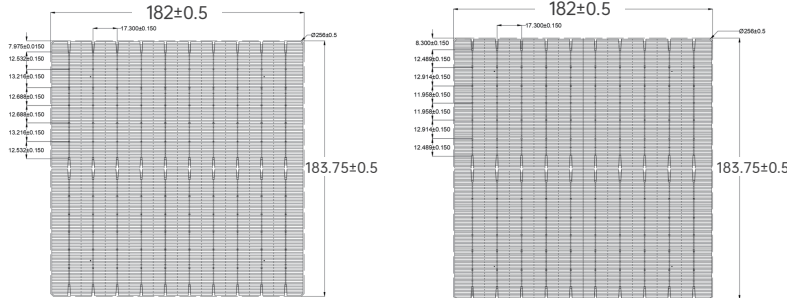
TEMPERATURE COEFFICIENTS

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

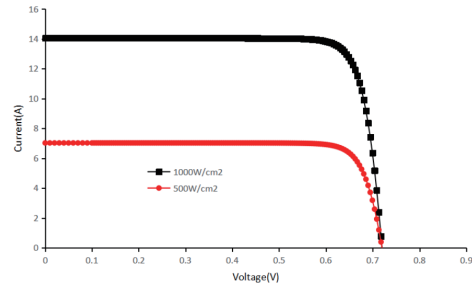
PRODUCT FEATURES

Dimension	182mm×183.75mm(±0.5mm), Φ256mm±0.5mm
Cell Thickness	130μm(±13μm)
Front side	10BB, silicon nitride antireflection coating
Back side	10BB, silicon nitride antireflection coating

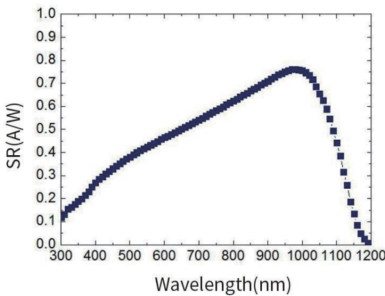
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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