



SOLARPLUS

TN182C-Q16D1

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)	I _{mp} (A)	Voc(V)	I _{sc} (A)
25.5	8.90	0.644	13.821	0.735	14.495
25.4	8.87	0.643	13.789	0.733	14.484
25.3	8.83	0.642	13.756	0.732	14.466
25.2	8.80	0.641	13.723	0.731	14.446
25.1	8.76	0.640	13.690	0.730	14.434
25.0	8.73	0.638	13.678	0.729	14.417
24.9	8.69	0.637	13.645	0.727	14.416
24.8	8.66	0.635	13.633	0.725	14.412
24.7	8.62	0.635	13.578	0.723	14.409
24.6	8.59	0.633	13.565	0.721	14.405
24.5	8.55	0.632	13.532	0.719	14.396
24.4	8.52	0.630	13.519	0.717	14.390
24.3	8.48	0.628	13.507	0.716	14.366
24.2	8.45	0.626	13.494	0.715	14.333
24.1	8.41	0.624	13.481	0.714	14.307
24.0	8.38	0.622	13.469	0.713	14.287

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

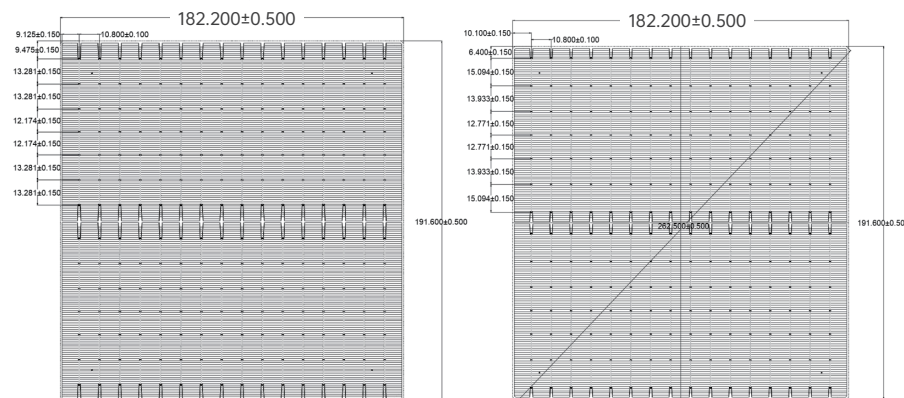
TEMPERATURE COEFFICIENTS

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

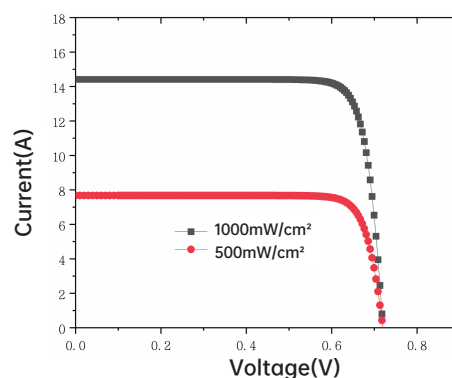
PRODUCT FEATURES

Dimension	191.6mm×182.2mm(±0.5mm), Φ262.5mm±0.5mm
Cell Thickness	130μm (±20μm)
Front side	16BB, silicon nitride antireflection coating
Back side	16BB, silicon nitride antireflection coating

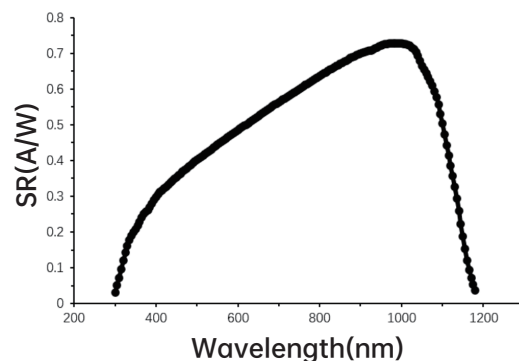
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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