





SOLAR PLUS

PP182A-R10D1

Monocrystalline Bifacial PERC Cell

PRODUCT CHARACTERISTICS

-  HIGH CONVERSION EFFICIENCY WITH HIGH RELIABILITY
-  LOW LIGHT-INDUCED DEGRADATION
-  STABLE MANUFACTURING PROCESS, UNIFORM ELECTRICAL PERFORMANCE
-  BOTH SIDES CAN GENERATE ELECTRICITY
-  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)
23.3	7.69	0.613	12.539	0.690	13.583
23.2	7.66	0.612	12.526	0.689	13.568
23.1	7.63	0.611	12.495	0.688	13.551
23.0	7.59	0.611	12.426	0.688	13.498
22.9	7.56	0.610	12.401	0.687	13.479
22.8	7.53	0.610	12.350	0.687	13.449
22.7	7.49	0.608	12.324	0.686	13.419
22.6	7.46	0.607	12.292	0.686	13.407
22.5	7.43	0.607	12.245	0.685	13.397
22.4	7.40	0.606	12.214	0.685	13.388
22.3	7.36	0.605	12.174	0.684	13.358
22.2	7.33	0.605	12.118	0.683	13.346
22.1	7.30	0.604	12.097	0.683	13.337
22.0	7.26	0.604	12.065	0.682	13.320
21.9	7.23	0.603	12.036	0.682	13.311
21.8	7.20	0.603	12.002	0.681	13.298

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

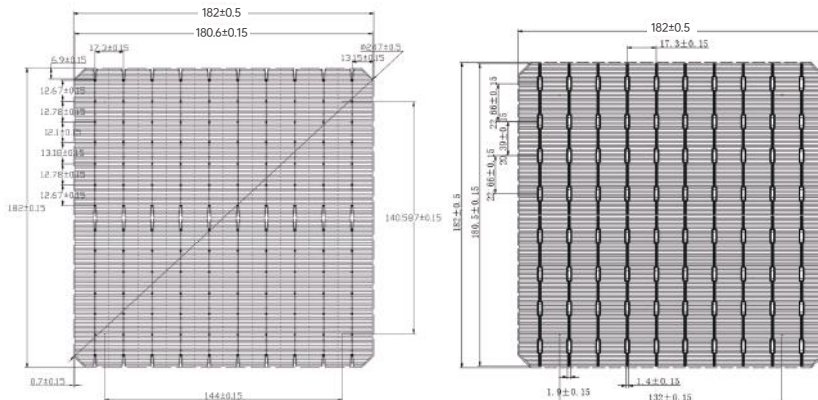
TEMPERATURE COEFFICIENTS

TkCurrent	+(0.07±0.015) %/K
TkVoltage	-(0.36±0.03) %/K
TkPower	-(0.38±0.02) %/K

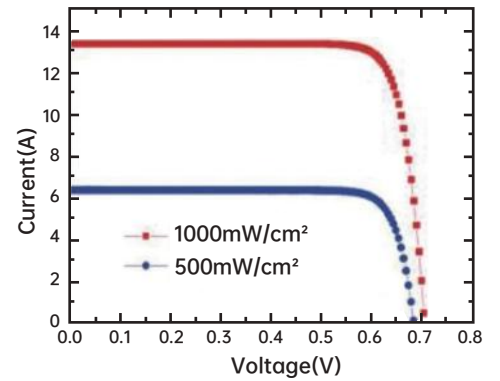
PRODUCT FEATURES

Dimension	182mmx182mm(±0.5mm), Φ247mm±0.5mm
Cell Thickness	170μm(±20μm)
Front side	10BB, silicon nitride antireflection coating
Back side	10BB, silicon nitride antireflection coating

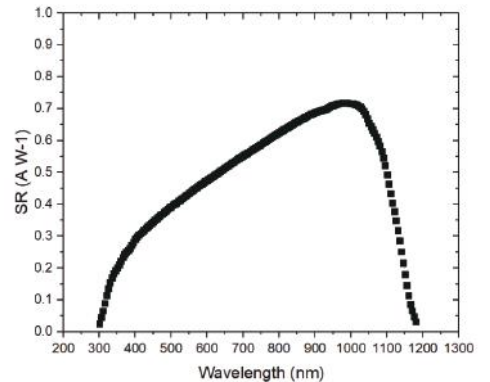
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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