



SOLARPLUS

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)	Imp(A)	Voc(V)	Isc(A)
23.5	7.76	0.593	13.017	0.694	13.620
23.4	7.73	0.592	13.007	0.693	13.611
23.3	7.69	0.592	12.998	0.693	13.602
23.2	7.66	0.591	12.965	0.692	13.593
23.1	7.63	0.590	12.924	0.691	13.584
23.0	7.59	0.589	12.888	0.690	13.577
22.9	7.56	0.588	12.850	0.689	13.568
22.8	7.53	0.587	12.819	0.688	13.560
22.7	7.49	0.586	12.785	0.687	13.554
22.6	7.46	0.585	12.755	0.686	13.548
22.5	7.43	0.584	12.729	0.684	13.541
22.4	7.40	0.582	12.709	0.683	13.534
22.3	7.36	0.580	12.685	0.681	13.528
22.2	7.33	0.579	12.652	0.681	13.501

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

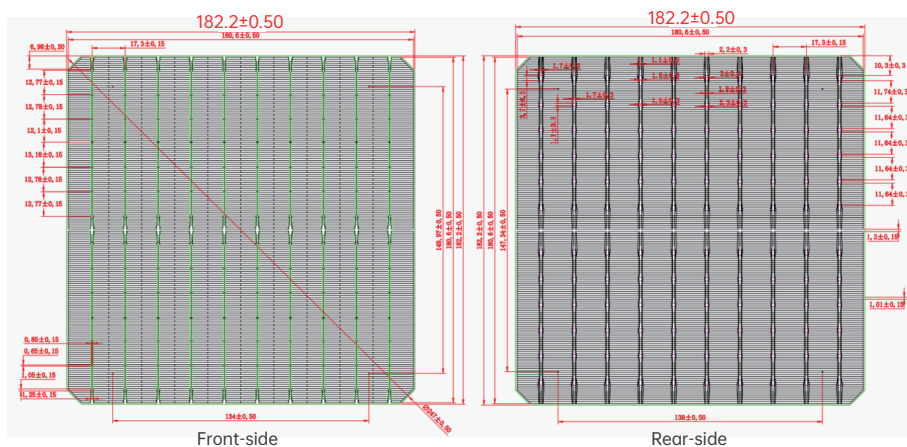
TEMPERATURE COEFFICIENTS

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

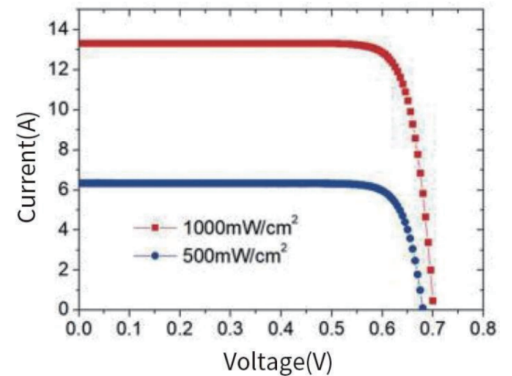
PRODUCT FEATURES

Dimension	182mmx182mm(±0.5mm), Φ247mm±0.5mm
Cell Thickness	170μm(±20 μm)
Front side	10*0.06±0.03mm busbar(silver), 172 fingers, blue(deep blue), ARC(silicon nitride)
Back side	Busbar width (silver) 1.2±0.3mm, 180 fingers

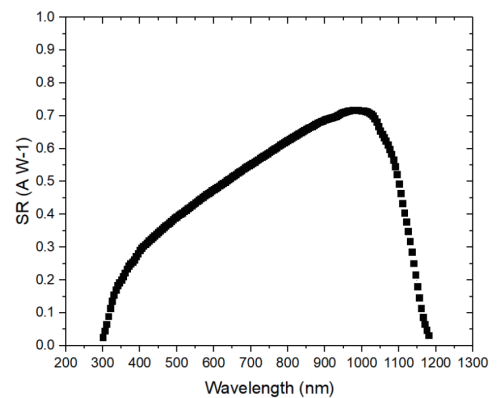
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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