










SOLAR PLUS

PP210A-Q12D1

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

PP182A-R10D1

ELECTRIC PERFORMANCE

MODEL(%)	Power Pmpp(w)	Max.Power Voltage Vmpp(V)	Max.Power Current Impp(A)	Open Circuit Voltage Voc(V)	Short Circuit Current Isc(A)
>23.1	10.18	0.590	17.261	0.690	18.186
23.0~23.1	10.14	0.589	17.216	0.689	18.166
22.9~23.0	10.10	0.587	17.206	0.688	18.140
22.8~22.9	10.05	0.586	17.151	0.687	18.125
22.7~22.8	10.01	0.584	17.140	0.686	18.108
22.6~22.7	9.97	0.583	17.101	0.685	18.088
22.5~22.6	9.92	0.581	17.074	0.685	18.062
22.4~22.5	9.88	0.579	17.064	0.684	18.049
22.3~22.4	9.83	0.577	17.036	0.682	18.030
22.2~22.3	9.79	0.575	17.026	0.681	18.016
22.1~22.2	9.75	0.574	16.986	0.680	17.995

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

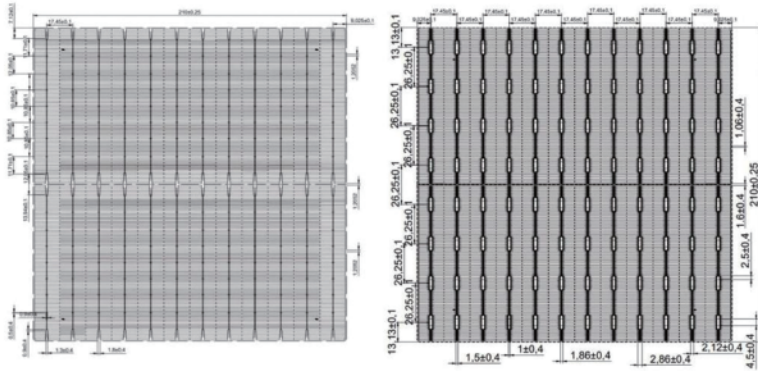
ELECTRIC PERFORMANCE

Current Temperature Coefficient	TkCurrent: +0.070 %/K
Voltage Temperature Coefficient	TkVoltage: -0.36 %/K
Power Temperature Coefficient	TkPower: -0.38 %/K

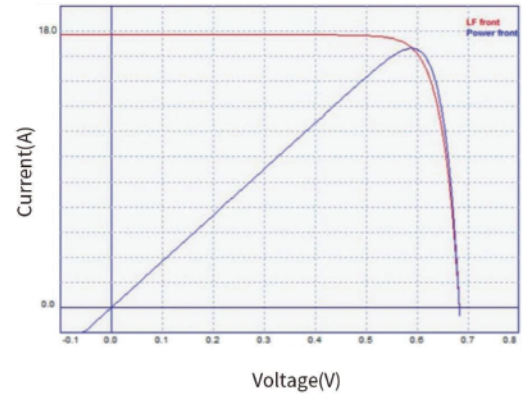
PRODUCT FEATURES

Dimension:	210mmx210mm±0.25mm, Φ295mm±0.25mm
Cell Thickness:	170μm±17μm
Front side:	12BB, Blue silicon nitride antireflection coating
Back side:	12BB, Blue silicon nitride antireflection coating

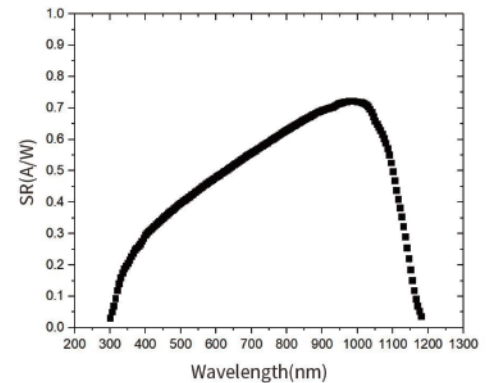
PRODUCT DESIGN



IV CURVE



SPECTRAL RESPONSE(SR)



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