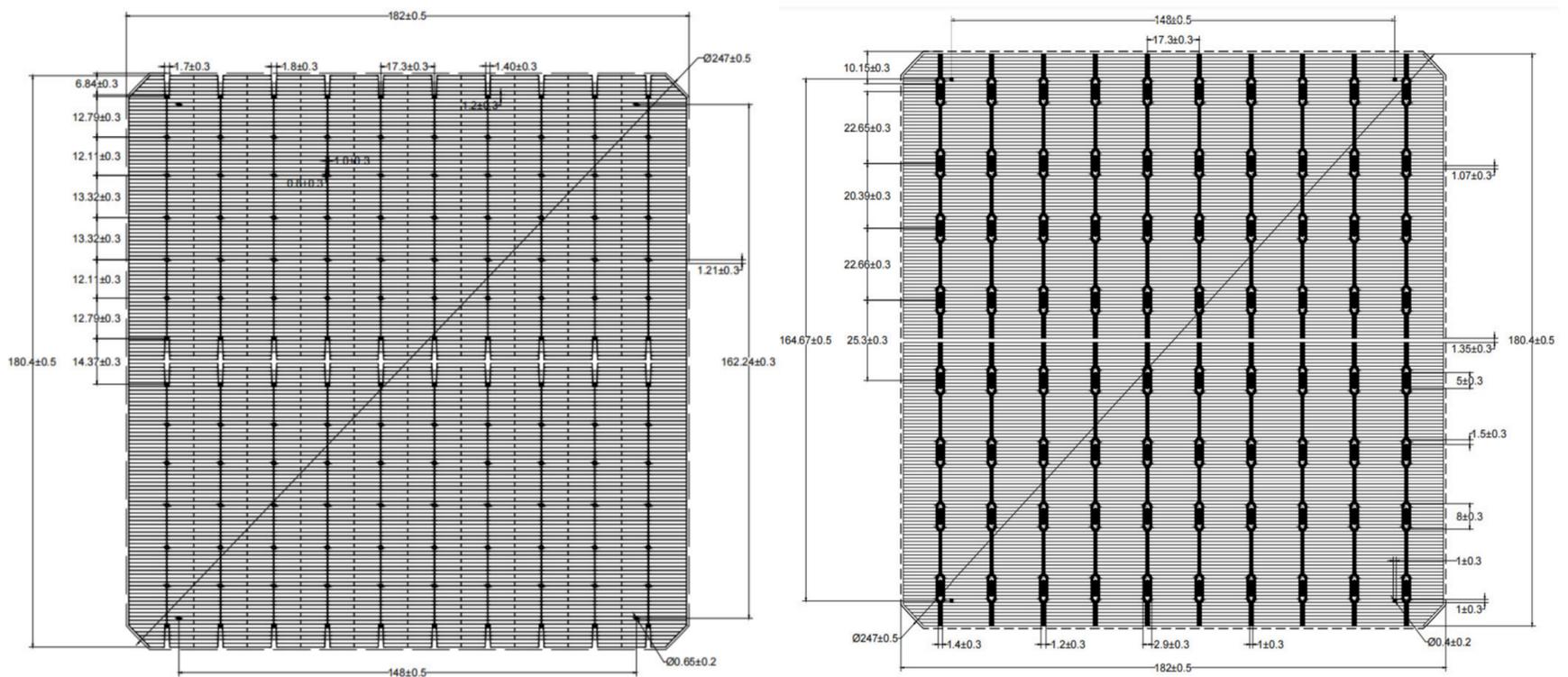




PRODUCT MAIN

182-MONO-10BB-PID

FEATURES



TECHNICAL DATA AND DESIGN

Dimension	182mm *182mm ± 0.5mm
Thickness	150 ± 20µm
Front	10*0.06±0.03mm Busbar (Silver), 150±15 fingers, Blue (Dark blue), Blue Anti-reflection Coating (Silicon Nitride)
Back	Back electrode width (Silver) 1.2 ± 0.3mm, 170 ± 17 fingers

SOLDERABILITY

Minimum peel strength	≥1.4N/mm
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Resultes may vary depending on electrode, welding method and conditions.

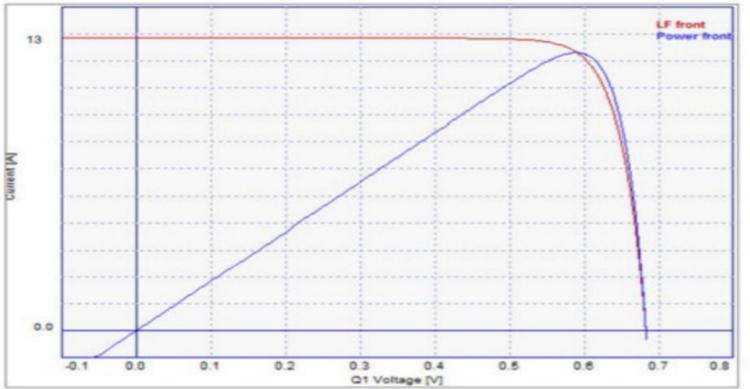


LIGHT INTENSITY RELIABILITY

Intensity(W/m ²)	Uoc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

Taking the Voc(Isc) of 1000W/m² test as the standard, test the magnitude of the decrease of Voc(Isc) with the light intensity.

IV CURVE



TEMPERATURE COEFFICIENT

TkVoltage:	-0.36 %/K
TkCurrent:	+0.07%/K
TkPower:	-0.38%/K
Rsh≥50Ω, Irev2≤1.0A	

FRONT ELECTRICAL PERFORMANCE PARAMETERS

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)	FF(%)
23.2	7.66	0.591	12.965	0.692	13.593	81.49
23.1	7.63	0.590	12.924	0.691	13.584	81.26
23.0	7.59	0.589	12.888	0.690	13.577	81.05
22.9	7.56	0.588	12.850	0.689	13.568	80.85
22.8	7.53	0.587	12.819	0.688	13.560	80.64
22.7	7.49	0.586	12.785	0.687	13.554	80.45
22.6	7.46	0.585	12.755	0.686	13.548	80.26
22.5	7.43	0.584	12.729	0.684	13.541	80.16
22.4	7.40	0.582	12.709	0.683	13.534	80.03

Standard Test Conditions: 1000W/m², AM1.5, 25°C

FRONT ELECTRICAL PERFORMANCE PARAMETERS

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)
>16	5.28	0.578	9.136	0.676	10.117
15.5-16	5.18	0.572	9.068	0.675	10.056
15-15.5	5.02	0.565	8.877	0.673	9.989
<15	4.89	0.559	8.743	0.671	9.903

Standard Test Conditions: 1000W/m², AM1.5, 25°C