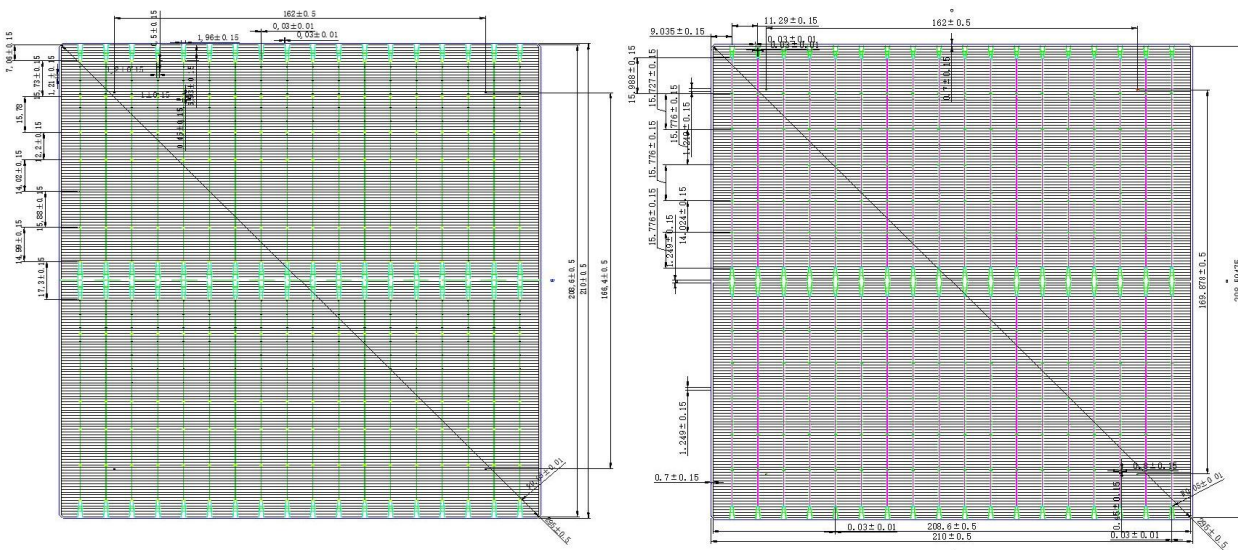


单晶 210-295-18BB-168F-BBD11.29 双面 TOPCON 电池 (A-V0.1) MONO 210-295-18BB-168F-BBD11.29 BIFACIAL TOPCON SOLAR CELLS

外观描述 Appearance Description

产品型号	Product type	AL9N0E0218A-L1
尺寸	Dimension	210mm*210mm±0.5mm, Φ 295mm±0.5mm
厚度 (电池片)	Thickness (Cells)	135±13.5um
正面	Front Side	18*0.036±0.02mm 主栅线(银), 168±30 根副栅线, 蓝(深蓝)色抗反射膜(氮化硅) 18*0.036±0.02mm busbar(silver), 168±30 fingers, Blue(DK blue) anti-reflection coating(SiNx)
反面	Back Side	18*0.030±0.02mm 主栅线(银), 174±30 根副栅线, 蓝(深蓝)色抗反射膜(氮化硅) 18*0.030±0.02mm busbar(silver), 174±30 fingers, Blue(DK blue) anti-reflection coating(SiNx)

电池片外观 Cell Appearance



图形描述 Graphical Description

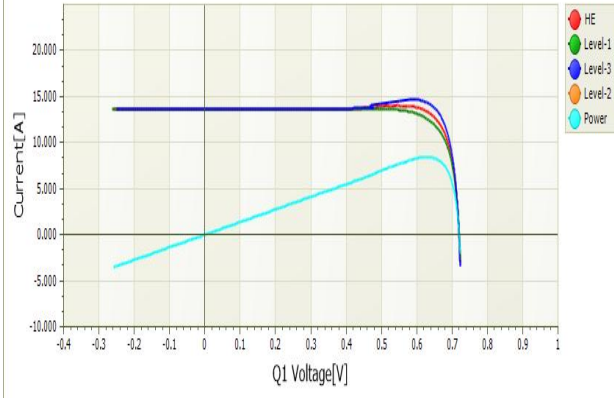
参数项目 Item		规格 Spec
正面 Front Side	主栅数量	Number of busbars
	细栅线数量	Number of busbars
	主栅线间距	Distance between busbars
背面 Back Side	主栅线数量	Number of busbars
	背面主栅线宽度	Width of rear busbar
	背铝栅线数量	Number of rear Al fingers
	电极分段数量	Number of Ag electrode sections

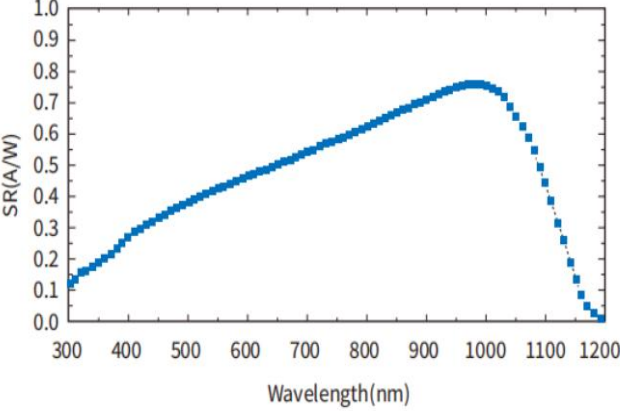
单晶 210-295-18BB-168F-BBD11.29 双面 TOPCON 电池 (A-V0.1)
MONO 210-295-18BB-168F-BBD11.29 BIFACIAL TOPCON SOLAR CELLS

正面电性能参数 Front Electrical Characteristics							
序号 number	效率	最大输出功率	最大输出电压	最大输出电流	开路电压	短路电流	填充因子
	Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
1	25.5	11.24	0.616	18.254	0.727	18.905	81.77
2	25.4	11.20	0.616	18.194	0.727	18.895	81.59
3	25.3	11.16	0.616	18.133	0.726	18.885	81.42
4	25.2	11.11	0.615	18.073	0.725	18.875	81.24
5	25.1	11.07	0.615	18.013	0.724	18.865	81.07
6	25.0	11.02	0.614	17.952	0.723	18.855	80.89
7	24.9	10.98	0.614	17.892	0.723	18.845	80.72
8	24.8	10.94	0.613	17.831	0.722	18.835	80.54
9	24.7	10.89	0.613	17.771	0.721	18.825	80.37
3	24.6	10.85	0.612	17.711	0.720	18.805	80.14
4	24.5	10.80	0.612	17.650	0.719	18.801	79.95
5	24.4	10.76	0.612	17.590	0.718	18.785	79.74
6	24.3	10.72	0.612	17.529	0.718	18.785	79.57
7	24.2	10.67	0.611	17.469	0.717	18.775	79.39
8	24.1	10.63	0.610	17.409	0.716	18.755	79.22
9	24.0	10.58	0.610	17.359	0.702	18.191	79.19
10	23.9	10.54	0.609	17.335	0.701	18.186	79.16
11	23.8	10.50	0.607	17.336	0.700	18.174	79.13
12	23.7	10.45	0.606	17.295	0.699	18.161	79.10
13	23.6	10.41	0.604	17.238	0.698	18.155	79.07
14	23.5	10.36	0.603	17.178	0.697	18.141	79.04
15	23.4	10.32	0.601	17.183	0.696	18.129	79.01

Standard Test Condition(STC):1000W/m²,AM1.5,25℃

单晶 210-295-18BB-168F-BBD11.29 双面 TOPCON 电池 (A-V0.1)
MONO 210-295-18BB-168F-BBD11.29 BIFACIAL TOPCON SOLAR CELLS

I-V 曲线 I-V Curve	温度系数 Temperature Coefficients
	<p align="center">TK Voltage(%K):-0.26</p> <hr/> <p align="center">TK Current(%K):+0.046</p> <hr/> <p align="center">TK Power(%K):-0.32</p>

光谱曲线 Spectral Response	光强响应 Light intensity dependence																				
	<table border="1"> <thead> <tr> <th>Intensity (W/m²)</th> <th>Vmpp</th> <th>Impp</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>1.000</td> <td>1.000</td> </tr> <tr> <td>900</td> <td>0.996</td> <td>0.903</td> </tr> <tr> <td>800</td> <td>0.991</td> <td>0.803</td> </tr> <tr> <td>600</td> <td>0.988</td> <td>0.602</td> </tr> <tr> <td>400</td> <td>0.962</td> <td>0.403</td> </tr> </tbody> </table>	Intensity (W/m ²)	Vmpp	Impp	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		
Intensity (W/m ²)	Vmpp	Impp																			
1000	1.000	1.000																			
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400	0.962	0.403																			
<p align="center">Ratio of Vmpp(Impp)at reduced intensity to Impp(Vmpp) at 1000(W/m²)</p>																					

Standard Test Condition(STC):1000W/m²,AM1.5,25 °C