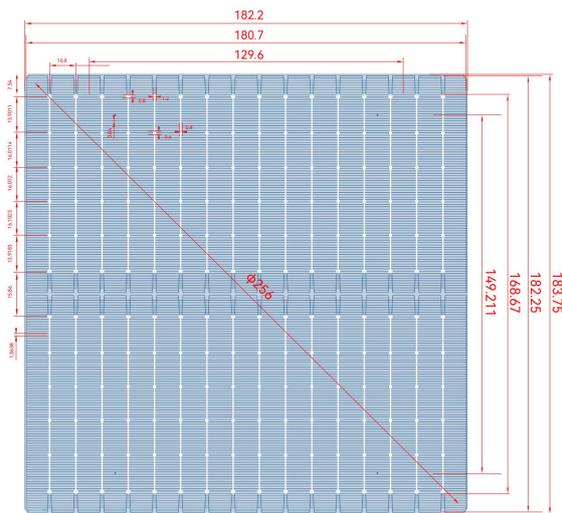


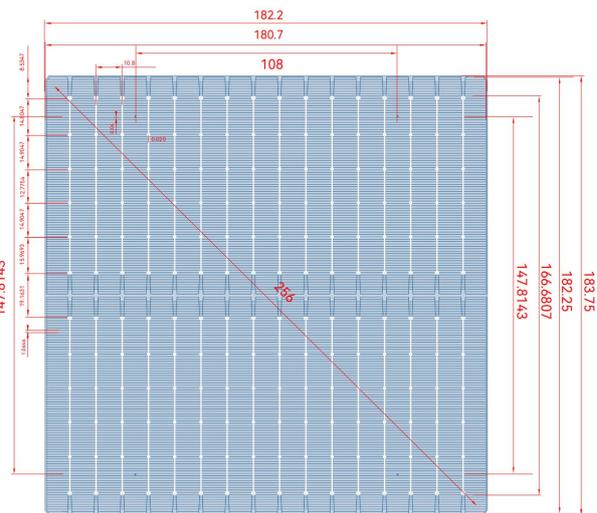
单晶 183.75-256-16BB-BBD10.8 双面 TOPCON 电池 (A-V02) MONO 183.75-256-16BB-BBD10.8 BIFACIAL TOPCON SOLAR CELLS

外观描述 Appearance Description		
产品型号	Product type	ALN183.75-16B-12
尺寸	Dimension	182.2mm*183.75mm±0.5mm, $\Phi 256\text{mm} \pm 0.5\text{mm}$
厚度 (电池片)	Thickness (Cells)	130±13um
正面	Front Side	BusBar(Ag), Blue (navy) antireflection layer(SiNx), Laser-enhanced contact optimization
反面	Back Side	Rear BusBar(Ag), Passivation layer(SiNx)

电池片外观 Cell Appearance



正面 / Front Electrode Pattern



反面 / Back Electrode Pattern

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	16
	细栅线数量	Number of busbars	172
	主栅线间距	Distance between busbars	10.8
背面 Back Side	主栅线数量	Number of busbars	16
	背面主栅线宽度	Width of rear busbar	1.2/0.8±0.3
	背面细栅线数量	Number of rear fingers	174
	电极分段数量	Number of Ag electrode sections	12

单晶 183.75-256-16BB-BBD10.8 双面 TOPCON 电池 (A-V02)
MONO 183.75-256-16BB-BBD10.8 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)	Ump (V)	Imp (A)	Uoc (V)	Isc (A)	FF (%)
1	25.5	8.535	0.632	13.502	0.722	13.949	84.70
2	25.4	8.502	0.630	13.477	0.720	13.934	84.63
3	25.3	8.468	0.629	13.450	0.718	13.926	84.59
4	25.2	8.435	0.627	13.443	0.717	13.916	84.47
5	25.1	8.401	0.625	13.424	0.716	13.907	84.32
6	25.0	8.368	0.624	13.407	0.715	13.880	84.21
7	24.9	8.334	0.622	13.385	0.714	13.868	84.04
8	24.8	8.301	0.620	13.361	0.713	13.846	83.93
9	24.7	8.267	0.619	13.344	0.712	13.829	83.78
10	24.6	8.234	0.617	13.330	0.711	13.812	83.64
11	24.5	8.201	0.616	13.316	0.710	13.795	83.50
12	24.4	8.167	0.614	13.302	0.708	13.778	83.36
13	24.3	8.134	0.613	13.286	0.706	13.761	83.21
14	24.2	8.100	0.611	13.273	0.705	13.744	83.07

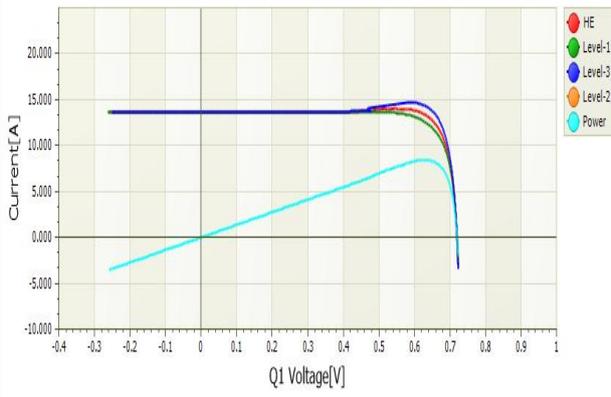
Standard Test Condition(STC):1000W/m²,AM1.5,25℃

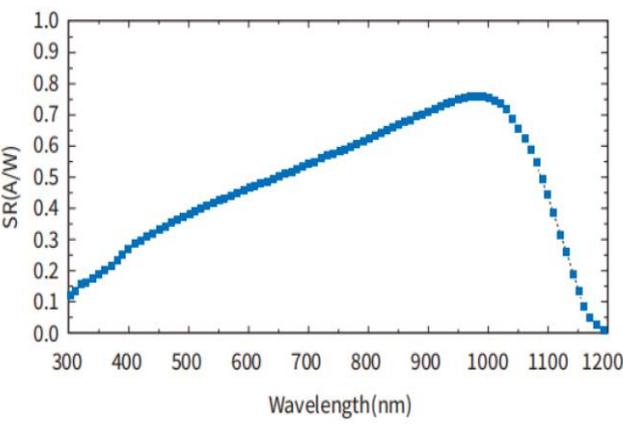
背面电性能参数 Back Electrical Characteristics						
序号 number	效率	最大输出功率	最大输出电压	最大输出电压	开路电压	短路电流
	Eff (%)	Pmpp (W)	Ump (V)	Imp (A)	Uoc (V)	Isc (A)
1	>20.5	6.796	0.627	10.838	0.725	11.543
2	20.3-20.5	6.762	0.626	10.802	0.724	11.498
3	20.1-20.3	6.729	0.625	10.766	0.723	11.453
4	<20.1	6.695	0.624	10.730	0.722	11.408

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

单晶 183.75-256-16BB-BBD10.8 双面 TOPCON 电池 (A-V02)

MONO 183.75-256-16BB-BBD10.8 BIFACIAL TOPCON SOLAR CELLS

I-V 曲线 I-V Curve	温度系数 Temperature Coefficients
	<p>TK Voltage(%K):-0.26</p>
	<p>TK Current(%K):+0.046</p>
	<p>TK Power(%K):-0.30</p>

光谱曲线 Spectral Response	光强响应 Light intensity dependence		
	<p>Intensity (W/m²)</p>	<p>Vmpp</p>	<p>Impp</p>
	<p>1000</p>	<p>1.000</p>	<p>1.000</p>
	<p>900</p>	<p>0.996</p>	<p>0.903</p>
	<p>800</p>	<p>0.991</p>	<p>0.803</p>
	<p>600</p>	<p>0.988</p>	<p>0.602</p>
	<p>400</p>	<p>0.962</p>	<p>0.403</p>
	<p>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