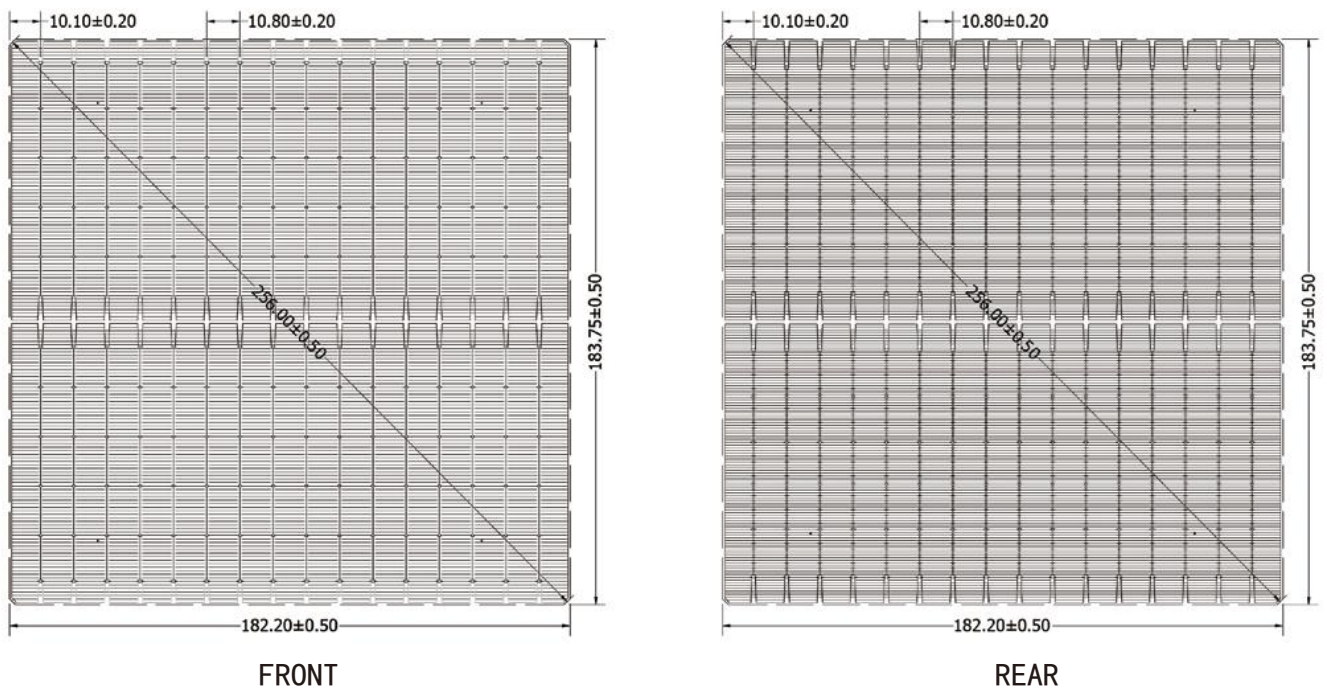


## 单晶 183.75-256-16BB-152F-BBD10.8 双面 TOPCON 电池 (A-V02) MONO 183.75-256-16BB-152F-BBD10.8 BIFACIAL TOPCON SOLAR CELLS

### 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, $\Phi$ 256mm ± 0.5mm
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



### 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 183.75-256-16BB-152F-BBD10.8 双面 TOPCON 电池 (A-V02)**  
**MONO 183.75-256-16BB-152F-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)	Umpv (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
1	25.3	8.468	0.644	13.150	0.736	13.956	82.47
2	25.2	8.435	0.643	13.125	0.735	13.934	82.36
3	25.1	8.401	0.641	13.100	0.734	13.912	82.25
4	25.0	8.368	0.640	13.074	0.733	13.890	82.14
5	24.9	8.334	0.639	13.049	0.733	13.868	82.04
6	24.8	8.301	0.637	13.024	0.732	13.846	81.93
7	24.7	8.267	0.636	12.998	0.731	13.829	81.78
8	24.6	8.234	0.635	12.973	0.730	13.812	81.64
9	24.5	8.201	0.633	12.948	0.729	13.795	81.50
10	24.4	8.167	0.632	12.922	0.729	13.778	81.36
11	24.3	8.134	0.631	12.897	0.728	13.761	81.21
12	24.2	8.100	0.629	12.872	0.727	13.744	81.07
13	24.1	8.067	0.628	12.846	0.726	13.727	80.92
14	24.0	8.033	0.627	12.821	0.725	13.710	80.78

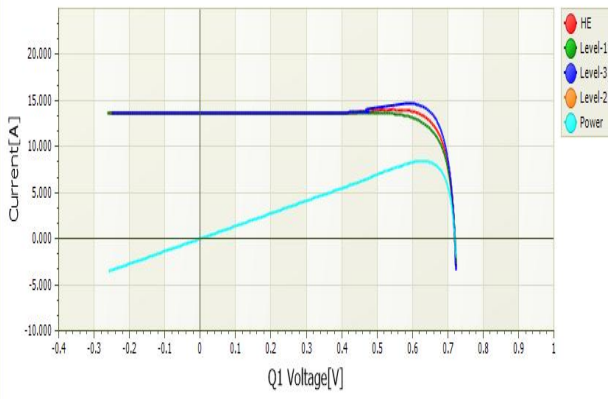
Standard Test Condition(STC):1000W/m<sup>2</sup>,AM1.5,25℃

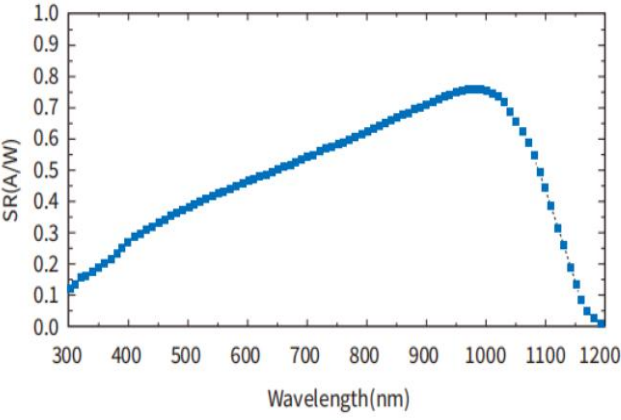
背面电性能参数 Back Electrical Characteristics						
序号 number	效率	最大输出功率	最大输出电压	最大输出电压	开路电压	短路电流
	Eff (%)	Pmpp (W)	Umpv (V)	Impp (A)	Uoc (V)	Isc (A)
1	>20.5	6.796	0.627	10.838	0.725	11.543
2	20.3-20.5	6.762	0.626	10.802	0.724	11.498
3	20.1-20.3	6.729	0.625	10.766	0.723	11.453
4	<20.1	6.695	0.624	10.730	0.722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

Standard Test Condition(STC):1000W/m<sup>2</sup>,AM1.5,25℃

**单晶 183.75-256-16BB-152F-BBD10.8 双面 TOPCON 电池 (A-V02)**

**MONO 183.75-256-16BB-152F-BBD10.8 BIFACIAL TOPCON SOLAR CELLS**

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

光谱曲线 Spectral Response	光强响应 Light intensity dependence		
	<p><b>Intensity (W/m<sup>2</sup>)</b></p>	<p><b>Vmpp</b></p>	<p><b>Impp</b></p>
	<p><b>1000</b></p>	<p><b>1.000</b></p>	<p><b>1.000</b></p>
	<p><b>900</b></p>	<p><b>0.996</b></p>	<p><b>0.903</b></p>
	<p><b>800</b></p>	<p><b>0.991</b></p>	<p><b>0.803</b></p>
	<p><b>600</b></p>	<p><b>0.988</b></p>	<p><b>0.602</b></p>
	<p><b>400</b></p>	<p><b>0.962</b></p>	<p><b>0.403</b></p>
	<p><b>Ratio of Vmpp(Impp)at reduced intensity to Impp(Vmpp) at 1000(W/m<sup>2</sup>)</b></p>		

Standard Test Condition(STC):1000W/m<sup>2</sup>,AM1.5,25 °C