

## 12BB MONO BIFACIAL CELL

### 技术数据与设计 Product specification

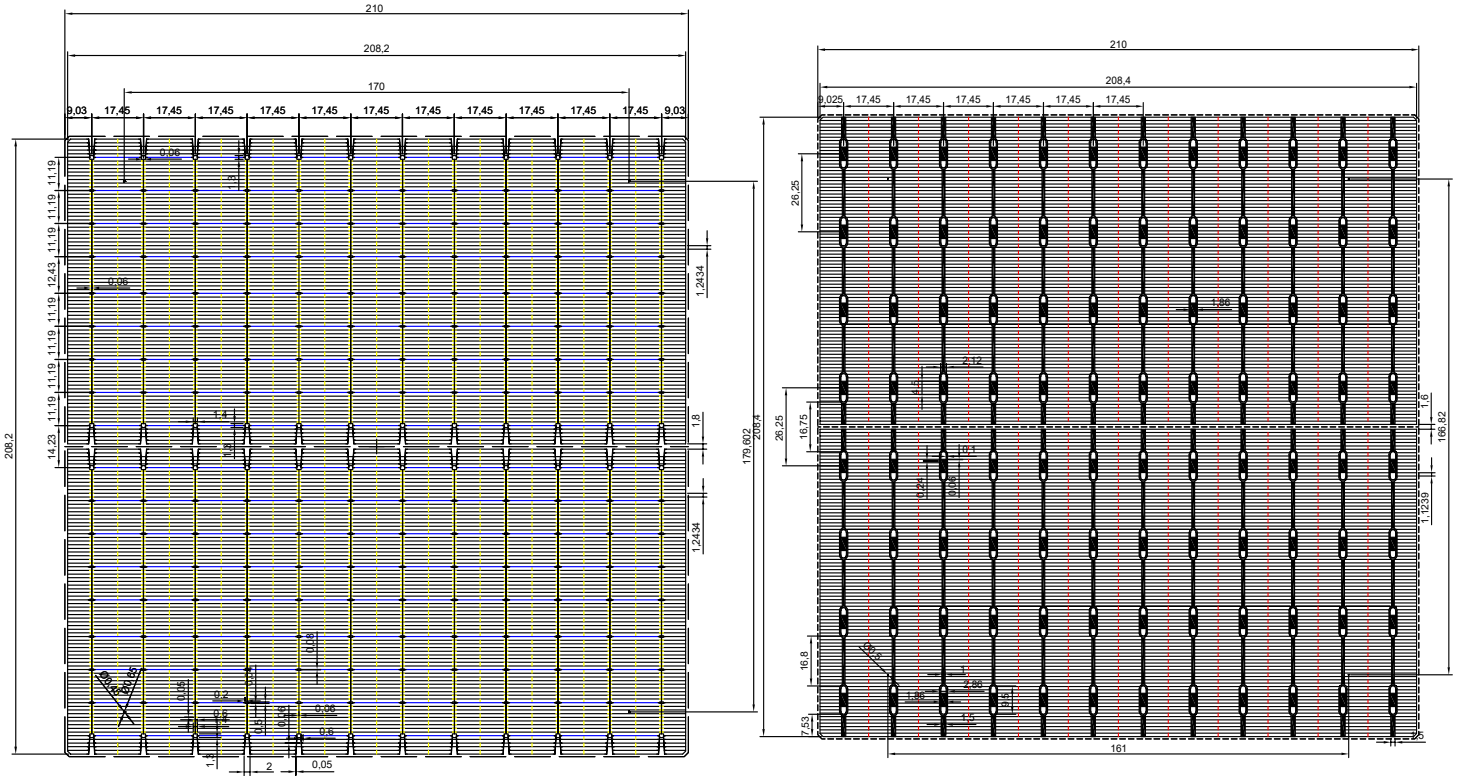
Model	M12-A
Size	210mm*210mm±0.5mm
Thickness	180μm±18μm
Front	0.08mm±0.03 Bus Bar(Silver), Blue(Dark blue) antireflection layer(SiNx)
Rear(+)	1.8mm±0.3 The width of Pad 1.4mm±0.3 The width of rear electrode (Silver)

### 电性能 Electrical performance 正面效率/ Front Efficiency:

档位	Pmpp(W)	Ump(W)	Impp(W)	Uoc(V)	Isc(A)	FF(%)
A2300	10.14	0.5793	17.5172	0.6790	18.3241	81.55
A2290	10.10	0.5786	17.4721	0.6786	18.2993	81.47
A2280	10.05	0.5781	17.3947	0.6781	18.2710	81.38
A2270	10.01	0.5773	17.3480	0.6770	18.2110	81.19
A2260	9.97	0.5765	17.3021	0.6759	18.1870	81.18
A2250	9.92	0.5741	17.2852	0.6737	18.1611	81.18
A2240	9.88	0.5738	17.2380	0.6721	18.1089	81.17
A2230	9.83	0.5734	17.1617	0.6693	18.1083	81.15
A2220	9.79	0.5729	17.1144	0.6684	18.0577	81.14

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## □ 电池片结构/ Solar cell structure



正面电极/ Front electrode pattern

背面电极/Back electrode pattern

参数项目/Items		规格 Specification	公差 Tolerance	单位 Unit
正面 Front	细栅线数量 Finger quantity	168	-	Line
	正面焊盘宽度 Front busbar width	1.2/1.4	±0.3	mm
	主栅线间距 Distance between busbars	17.45	±0.15	mm
背面 Back	背面主栅线的宽度 Back busbar width	1.5	±0.3	mm
	背面栅线之间的距离 Distance between back busbars	17.45	±0.15	mm
	背面细栅线数量 Back finger quantity	186	-	Line

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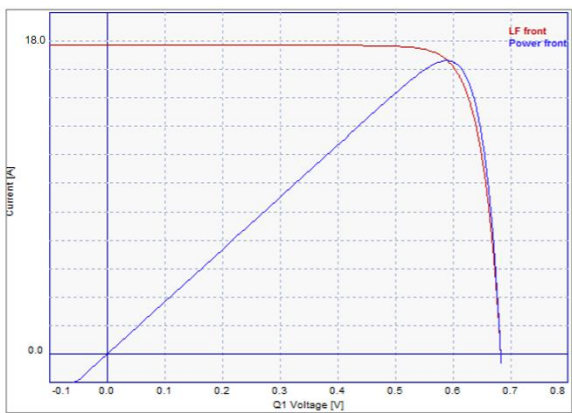
## □ 检验标准/ STC Standard

STC 标准情况下的电性特性/ Electrical properties in STC standard 标准检验条件 (STC) / Standard Test Condition (STC)

- a. 光强 Intensity: 1000 W/m<sup>2</sup>
- b. 光谱 Spectrum: CTL1—3A
- c. 温度 Temperature: 25°C

温度系数/ Temperature coefficient

- a. TkVoltage: -0.36 %/°C
- b. TkCurrent: +0.06 %/°C
- c. TkPower: -0.36 %/°C

光强可靠性			IV曲线	
Intensity(W/m <sup>2</sup> )	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		
以 1000W/m <sup>2</sup> 测试的 Uoc(Isc) 为标准，测试 Uoc(Isc) 随光强下降的幅度。			漏电	Rsh ≥ 50Ω, Irev2 ≤ 1.0A