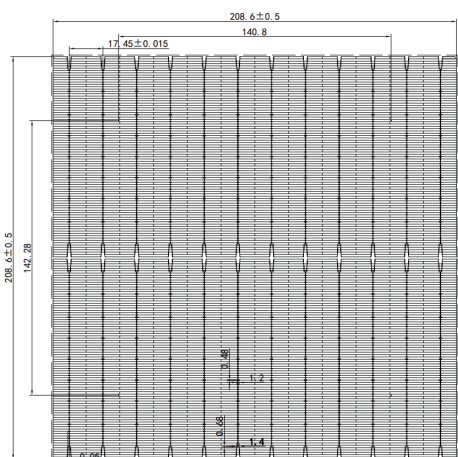


## 荣誉III

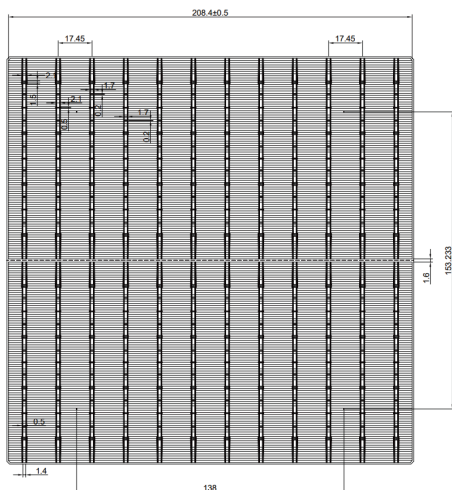
## 210尺寸单晶12BB双面半片

### Product specification/产品规格

#### 正面电极/ Front electrode pattern



#### 背面电极/Back electrode pattern



#### Range of application/适用范围

本规范适用于润阳光伏太阳能电池, 并制定太阳能电池的特性和使用条件。

This specification applies to Runergy solar cells and builds up the character and working condition of solar cells.

### Electrical properties/电特性

#### Temperature coefficient/温度系数

Voc: -0.3 %/°C

Isc: +0.06 %/°C

Pm: -0.39 %/°C

#### STC/标准检验条件

光强/Intensity: 1000 W/m<sup>2</sup>

光谱/Spectrum: AM1.5G

温度/Temperature: 25°C

**电池片厚度/Cell thickness: 175 ± 17.5 μm**

### Product list/产品列表

硅片类型Silicon type	尺寸规格 size	正电极图形 Front electrode pattern
单晶Mono-crystalline	210*210±0.5Φ295mm	十二主栅/twelev busbar 间距interval/17.45mm

### Appearance parameters/外观参数

参数项目 Parameter items		规格 Specification	公差 Tolerance	单位 Unit
正面 Front surface	A 细栅线数量 Finger quantity	174	-	Line
	B 正面焊盘宽度 Front busbar width	1.4	±0.1	mm
	C 主栅线间距 Distance between busbars	17.45	±0.15	mm
背面 Rare surface	a 背面主栅线的宽度 Back busbar width	0.5	±0.3	mm
	b 背面栅线之间的距离 Distance between back busbars	17.45	±0.15	mm
	c 背面细栅线数量 Back finger quantity	186	-	Line

### Electrical performance/电性能

#### 正面效率/Front Efficiency

档位 Eff (%)	效率区间 Efficiency	功率 Pmpp (W)	最大功率电流 Impp (A)	最大功率电压 Umpp (V)	短路电流 Isc (A)	开路电压 Uoc (V)
23.0	23.0-23.1	10.13	17.088	0.593	18.054	0.689
22.9	22.9-23.0	10.09	17.043	0.592	18.009	0.688
22.8	22.8-22.9	10.05	16.997	0.591	17.956	0.687
22.7	22.7-22.8	10.00	16.951	0.59	17.904	0.686
22.6	22.6-23.7	9.96	16.905	0.589	17.851	0.685
22.5	22.5-22.6	9.91	16.859	0.588	17.798	0.684
22.4	22.4-22.5	9.87	16.813	0.587	17.745	0.683
22.3	22.3-22.4	9.82	16.766	0.586	17.691	0.682