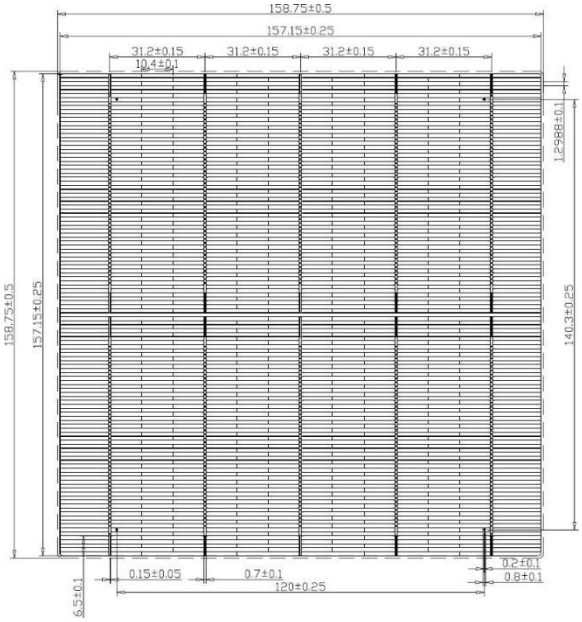
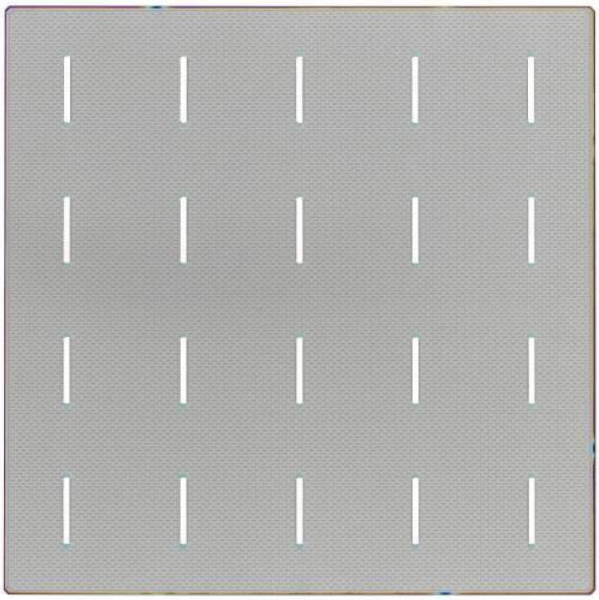
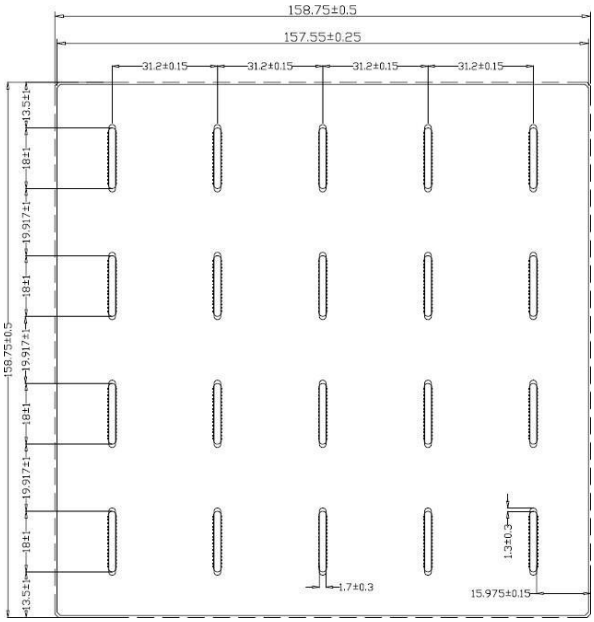
1.1电池片外观 Cell appearance

1.1.1正面图形 Front side appearance



1.1.2背面图形 Rear side appearance





1.2尺寸 Dimension:

158.75mm×158.75mm±0.25mm （直径 223mm±0.25mm ）

1.3厚度（电池）Thickness (Cell):

190μm±20 μm

2.产品外观描述

2.1正面：

二氧化硅+蓝色氮化硅复合减反膜（PID Free)；主栅宽度 0.7±0.1 mm；5BB
Front Side : Blue silicon nitrude antireflection
coatings; 0.7±0.1 mm bus bar; 5BB

2.2 背 面：

背面复合钝化膜（氧化铝及氮化硅复合层)及局部接触；背极分断，1.7±0.3毫米银浆
Rear Side : Passivated (AlOx and SiNx dual layer) rear contact;
back-surface field, 1.7±0.3 mm silver discrete soldering pads

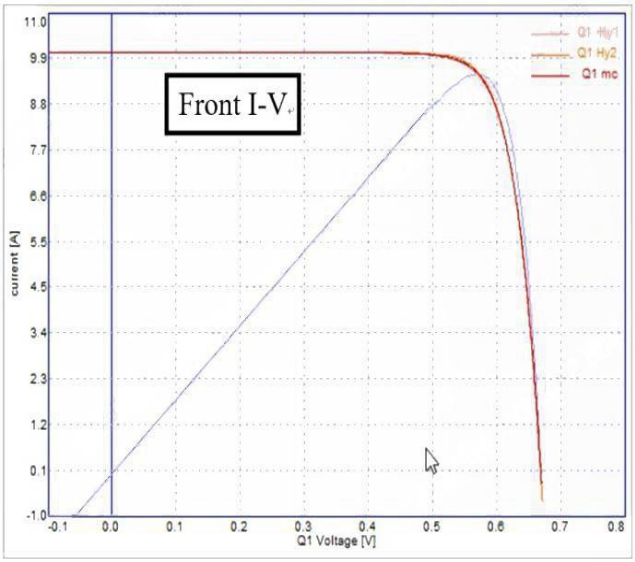
3.产品优势 Features

采用分步印刷技术，大大提高了电池的正面效率和主栅力；
独特的受光结构和半片设计，有效提高了组件的发电量；
独特的正背面电极图形设计，提高组件的机械载荷，降低组件生产中的碎率；
优异的抗 PID 性能，保证了组件发电的稳定性
Using DuP printing technology, which greatly improves the front cell efficiency and busbar adhesion.
The unique light receiving structure and half-chip design effectively improves the power capacity of module.
The unique front and rear electrode pattern design improves the mechanical load of the module and reduces the break rate in the module production.
Excellent anti-PID performance ensure the stability of the module workin.

4.电性能参数 Electrical Characteristics

Eff	Pmpp	Umpp	Impp	Voc	Isc	FF
(%)	(W)	(V)	(A)	(V)	(A)	(%)
22.50–22.60	5.67	0.591	9.594	0.681	10.137	82.11
22.40–22.50	5.64	0.589	9.583	0.680	10.131	81.90
22.30–22.40	5.62	0.587	9.573	0.678	10.130	81.81
22.20–22.30	5.59	0.585	9.563	0.677	10.121	81.61
22.10–22.20	5.57	0.583	9.553	0.675	10.115	81.57
22.00–22.10	5.54	0.581	9.542	0.674	10.108	81.35
21.90–22.00	5.52	0.579	9.531	0.673	10.098	81.23
21.80–21.90	5.49	0.577	9.521	0.672	10.088	81.04
21.70–21.80	5.47	0.575	9.51	0.671	10.079	80.88
21.60–21.70	5.44	0.573	9.499	0.669	10.077	80.73
21.50–21.60	5.42	0.571	9.488	0.668	10.067	80.59
21.40–21.50	5.39	0.569	9.478	0.667	10.052	80.46
21.30–21.40	5.37	0.567	9.466	0.665	10.042	80.35
21.20–21.30	5.34	0.566	9.439	0.664	10.021	80.24
21.10–21.20	5.32	0.564	9.428	0.663	10.012	80.10
21.00–21.10	5.29	0.562	9.416	0.662	9.986	80.03

6. I–V 特性曲线 IV–Curve



7.温度系数 Temperature coefficients

TkVoltage(mV/k) : —0.32

TkCurrent(mA/K) : 0.04

TkPower(%/K) :—0.42

8.光强响应 Light Intensity Dependence

Intensity (W/m2)	Vmpp	Impp
1000	1.000	1.000
800	0.990	0.801
600	0.977	0.600
200	0.923	0.195

Ratio of Vmpp(Impp) at reduced intensity to Impp (Vmpp) at 1000 (W/m2)

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