

CELLS

电池片产品

210R-16BB

N型TOPCon

N N型电池领跑者



0光衰



低封损



弱光响应强



抗PID



温度系数低

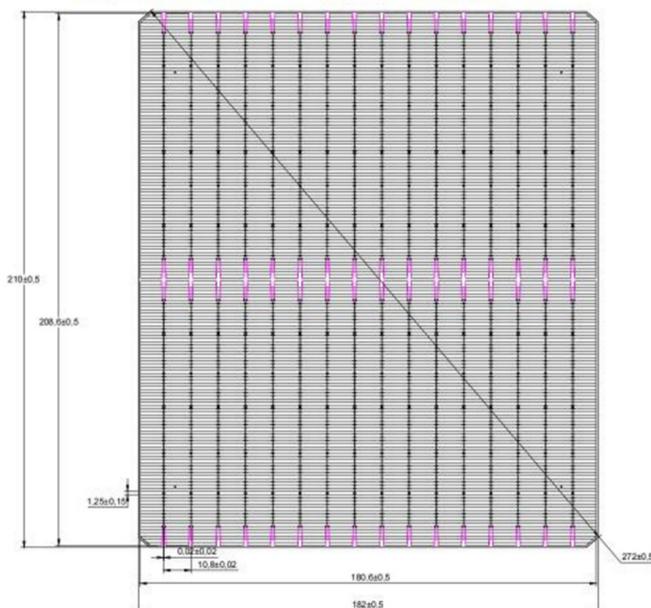


转换效率高

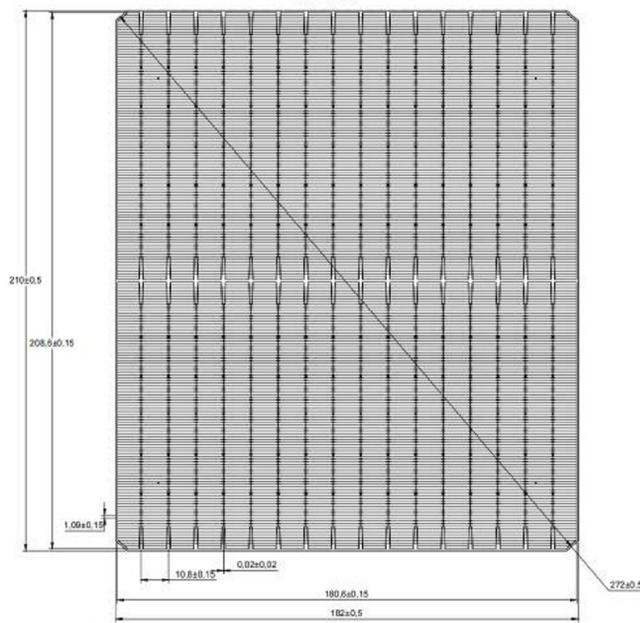


Product specification/产品规格

正面电极/ Front electrode pattern



背面电极/Back electrode pattern



Range of application/适用范围

本规范适用于正奇光能光伏太阳能电池，并制定太阳能电池的特性和使用条件。

This specification applies to ZQi 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: -0.36 %/°C

Isc: +0.07 %/°C

Pm: -0.38 %/°C

STC/标准检验条件

光强/Intensity: 1000 W/m²

光谱/Spectrum: AM1.5G

温度/Temperature: 25°C

电池片厚度/Cell thickness: 130±20μm

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
N型单晶 N-Type Mono-crystalline	210*182±0.25mm	16主栅/16busbar 间距interval/10.8mm

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	168	-	Line
	B 正面主栅线宽度 Front busbar width	0.03	±0.02	mm
	C 正面主栅线间距 Distance between front busbars	10.8	±0.15	mm
背面 Back surface	a 背面主栅线的宽度 Back busbar width	0.03	±0.02	mm
	b 背面主栅线间距 Distance between back busbars	10.8	±0.15	mm
	c 背面细栅线数量 Back finger quantity	174	-	Line

Electrical performance/电性能

档位 Eff (%)	效率区间 Efficiency	功率 Pmpp(W)	最大工作电流 Isc(A)	最大功率电压 Umpp(V)	短路电流 Isc(A)	开路电压 Uoc(V)
26.1	26.1以上	9.97	15.976	0.6238	16.204	0.726
26.0	26.0-26.1	9.93	15.940	0.6229	16.168	0.725
25.9	25.9-26.0	9.89	15.903	0.6219	16.133	0.724
25.8	25.8-25.9	9.85	15.867	0.6209	16.097	0.723
25.7	25.7-25.8	9.81	15.831	0.6199	16.062	0.722
25.6	25.6-25.7	9.78	15.795	0.6189	16.026	0.721
25.5	25.5-25.6	9.74	15.758	0.6179	15.990	0.720
25.4	25.4-25.5	9.70	15.765	0.6152	15.999	0.717
25.3	25.3-25.4	9.66	15.750	0.6134	15.985	0.715
25.2	25.2-25.3	9.62	15.691	0.6133	15.926	0.715
25.1	25.1-25.2	9.58	15.653	0.6123	15.890	0.714
25.0	25.0-25.1	9.55	15.637	0.6105	15.875	0.712
24.9	24.9-25.0	9.51	15.622	0.6086	15.861	0.710
24.8	24.8-24.9	9.47	15.627	0.6060	15.869	0.707
24.7	24.7-24.8	9.43	15.588	0.6051	15.832	0.706
24.6	24.6-24.7	9.39	15.552	0.6040	15.794	0.705
24.5	24.5-24.6	9.36	15.536	0.6022	15.779	0.703
24.4	24.4-24.5	9.32	15.498	0.6012	15.742	0.702
24.3	24.3-24.4	9.28	15.474	0.5996	15.727	0.700
24.2	24.2-24.3	9.24	15.473	0.5972	15.734	0.697