

产品特点

 高转换效率，正面效率 $\geq 25.5\%$

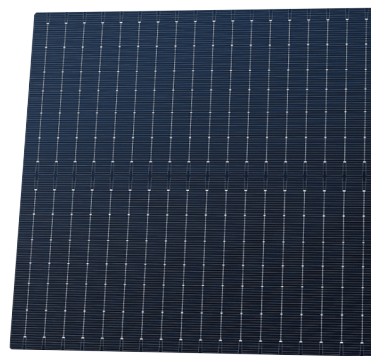
 光致衰减为“0”，双面率 $\geq 80\%$

 优越的抗PID性能

 功率温度系数低至 $-0.32\%/K$

 $200W/m^2$ 弱光下相对转换效率 $\geq 97\%$

 封损更低，更适合高效组件



TOPCon HS-210M



温度系数

电流温度系数: $0.045\%/K$

电压温度系数: $-0.25\%/K$

功率温度系数: $-0.30\%/K$

品质管控

效率测试的准确性控制在 $\pm 0.1\%$

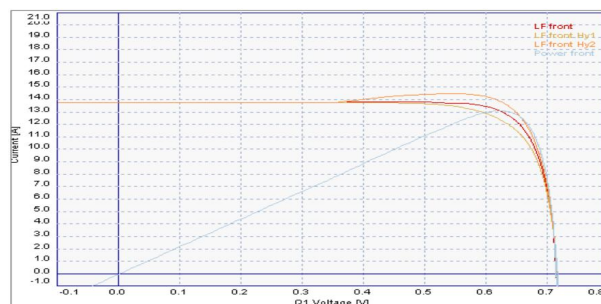
校准片溯源到 Fraunhofer ISE

电性能、外观、EL 100%全自动检验

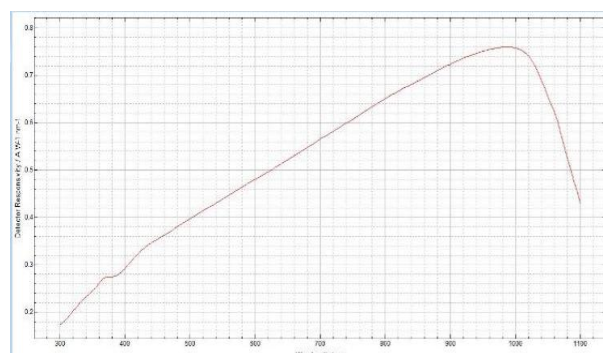
产品特征

型号	210单晶双面电池
尺寸规格	$210mm \times 210mm \pm 0.5mm$, $\Phi 295mm \pm 0.5mm$
厚度	$130\mu m \pm 13\mu m$
正面	18 主栅, 正 14 段, 168 栅, 主栅宽度 $0.030 \pm 0.015mm$
背面	18 主栅, 背 14 段, 174 栅, 主栅宽度 $0.030 \pm 0.015mm$

IV曲线



光谱响应



Product characteristics



High conversion efficiency
Front efficiency $\geq 25.5\%$



LID is "0"
Bifacial rate $\geq 80\%$



Superior anti-PID performance



Temperature coefficient of Power
As low as $-0.32\%/K$



Relative conversion efficiency $\geq 97\%$ under low light ($200W/m^2$)



Lower Cell to Module (CTM) Loss Rate, more suitable for high-efficiency module



TOPCon HS-210M



HERSHEY-POWER

Temperature Coefficients

TkCurrent: $0.045\%/K$

TkVoltage: $-0.25\%/K$

TkPower: $-0.30\%/K$

Quality Control

The accuracy of the efficiency test is controlled within $\pm 0.1\%$

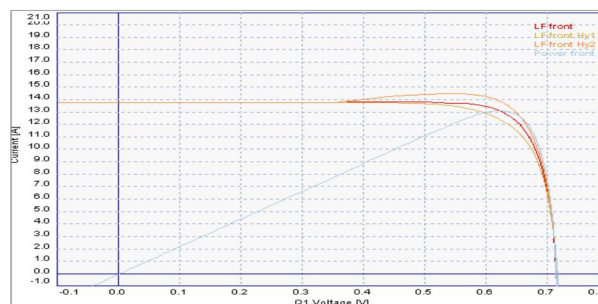
Calibration cells are traceable to Fraunhofer ISE

Electrical performance, appearance, EL 100% automatic inspection

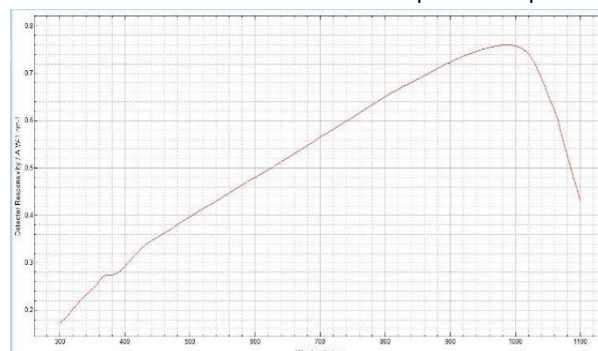
Geometry characteristics

Model	210 mono-crystalline Bifacial solar cell
Geometry	210mmx210mm ± 0.5 mm, $\Phi 295$ mm ± 0.5 mm
Thickness	130 μ m ± 13 μ m
Front	18 busbars, 14 pads, 168 fingers, busbar width 0.030 ± 0.015 mm
Back	18 busbars, 14 pads, 174 fingers, busbar width 0.030 ± 0.015 mm

IV Curve



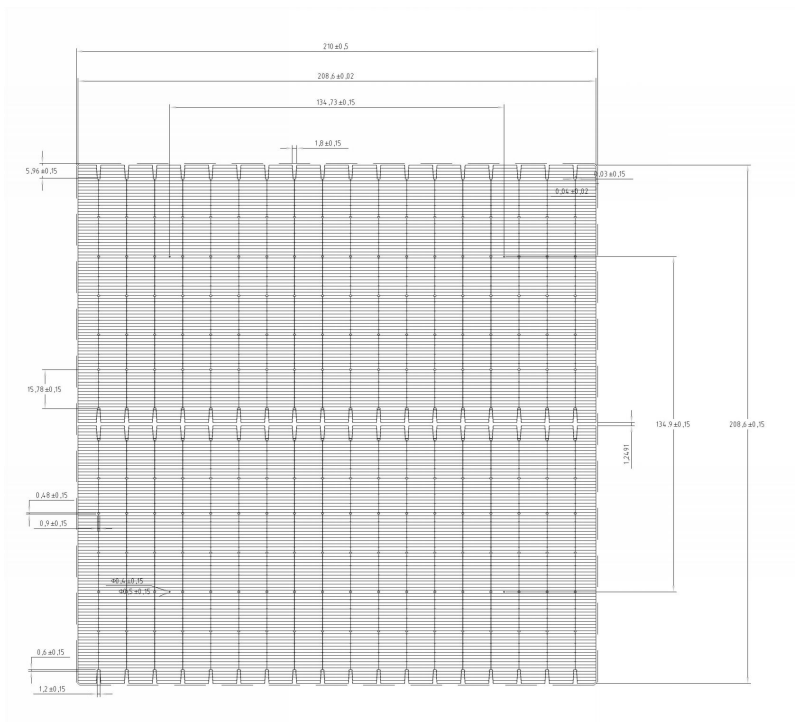
Spectral response



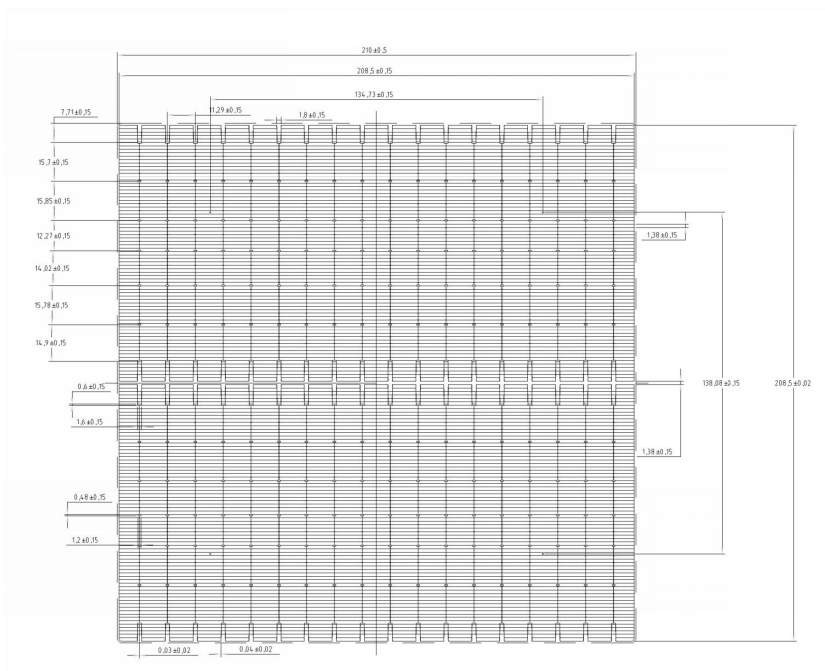
电性能 Electrical characteristics

MODEL(%)	Power Pmpp(W)	Max.Power Current Impp(A)	Short Circuit Current Isc(A)	Max.Power Voltage Vmpp(V)	Open Circuit Voltage Voc(V)
25.5%	11.24	17.524	18.411	0.643	0.717
25.4%	11.20	17.507	18.404	0.641	0.716
25.3%	11.16	17.498	18.399	0.639	0.715
25.2%	11.11	17.489	18.396	0.637	0.714
25.1%	11.07	17.453	18.392	0.635	0.713
25.0%	11.02	17.475	18.389	0.632	0.712
24.9%	10.98	17.453	18.386	0.630	0.712
24.8%	10.94	17.440	18.391	0.628	0.712
24.7%	10.89	17.411	18.382	0.627	0.711
24.6%	10.85	17.396	18.389	0.625	0.711
24.5%	10.80	17.089	18.402	0.623	0.716
24.4%	10.76	17.308	18.383	0.623	0.712
24.3%	10.72	17.380	18.390	0.623	0.709
24.2%	10.67	17.228	18.395	0.621	0.713
24.1%	10.63	17.337	18.392	0.619	0.713
24.0%	10.58	17.281	18.362	0.614	0.712
23.9%	10.54	17.181	18.396	0.613	0.712

电池图形及尺寸 Cell graphics and sizes



正面 Front



背面 Rear