- 产品特点：

Product characteristics:

高转换效率，正面效率≥24.0%

High efficiency, Eta≥24.0%

双面率≥80%

Bifacial rate up to 80%

光致衰减为“0”

Light-induced Degradation is "0"

优越的抗 PID 性能

Superior anti-PID performance

功率温度系数低至-0.32%/K

Temperature coefficient of Power as low as -0.32%/K

200W/m2 弱光下相对转换效率≥97%

Relative conversion efficiency≥97% under low light(200W/m2)

封损更低，更适合高效组件

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

- 品质管控

Quality Control

效率测试的准确性控制在±0.1%

The accuracy of the efficiency test is controlled within ±0.1%

电性能、外观、EL 100%全自动检验

Electrical performance, appearance, EL 100% automatic inspection

校准片朔源到 Fraunhofer ISE

Calibration cells are traceable to Fraunhofer ISE

- 产品特征

Geometry characteristics

产品型号：182 单晶双面电池（**182M** ）

Product model:182 mono-crystalline Bifacial solar cell（**182M** ）

尺寸规格：182.2mmx182.2mm±0.5mm， Φ 247.28mm±0.5mm

Geometry：182.2mmx182.2mm±0.5mm, Φ 247.28mm±0.5mm

电池厚度：140μm±20μm

Cell thickness:140μm±20μm

正面：10 主栅，正 14 段，150 栅，主栅宽度 0.036±0.02mm

Front design：10 busbars, 14 pads, 150 fingers, busbar width 0.036±0.02mm

背面：10 主栅，背 14 段，150 栅，主栅宽度 0.036±0.02mm

Rear design：10 busbars, 14 pads, 150 fingers, busbar width 0.036±0.02mm

- 温度系数

TEMPERATURE COEFFICIENTS:

电流温度系数： 0.045%/K

TkCurrent:0.045%/K

电压温度系数：−0.25%/K

TkVoltage:-0.25%/K

功率温度系数：-0.32 %/K

TkPower:-0.32%/K

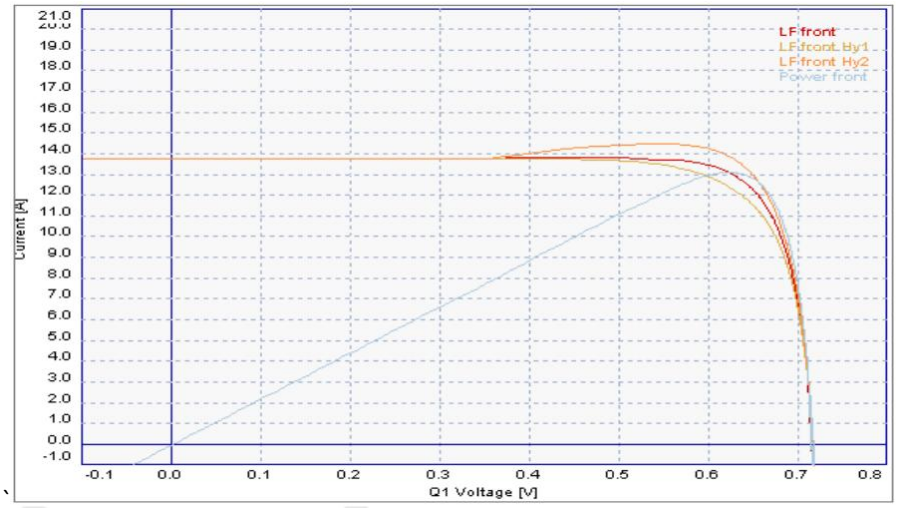
- 电性能特征

  Electrical characteristics

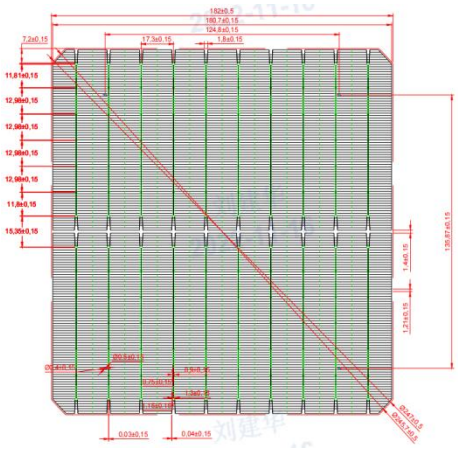
MODEL(%)	Power Pmpp(W)	Max.Power Current Impp(A)	Short Circuit Current Isc(A)	Max.Power Voltage Vmpp(V)	Open Circuit Voltage Voc(V)
＞25.5	8.42	13.651	14.218	0.6168	0.7178
25.4~25.5	8.38	13.606	14.183	0.6159	0.7169
25.3~25.4	8.35	13.577	14.148	0.615	0.716
25.2~25.3	8.32	13.553	14.113	0.6141	0.7151
25.1~25.2	8.29	13.518	14.078	0.6131	0.7141
25.0`25.1	8.25	13.475	14.035	0.6122	0.7132
24.9~25.0	8.22	13.440	14	0.6114	0.7124
24.8~24.9	8.19	13.405	13.965	0.6106	0.7116
24.7~24.8	8.16	13.370	13.93	0.6097	0.7107
24.6~24.7	8.12	13.335	13.895	0.6089	0.7099
24.5~24.6	8.09	13.300	13.86	0.6081	0.7091
24.4~24.5	8.06	13.265	13.825	0.6073	0.7083
24.3~24.4	8.02	13.230	13.79	0.6065	0.7075
24.2~24.3	7.99	13.195	13.755	0.6059	0.7069
24.1~24.2	7.96	13.155	13.715	0.6054	0.7064
24.0~24.1	7.92	13.115	13.675	0.604	0.705
23.9~24.0	7.89	13.080	13.64	0.6032	0.7042
23.8~23.9	7.86	13.055	13.615	0.6024	0.7034
23.7~23.8	7.82	13.006	13.581	0.6016	0.7023
23.6~23.7	7.79	12.968	13.543	0.6008	0.7012
23.5~23.6	7.76	12.931	13.501	0.6000	0.7004
23.4~23.5	7.73	12.893	13.478	0.5992	0.6987
23.3~23.4	7.69	12.855	13.432	0.5984	0.698
23.2~23.3	7.66	12.817	13.3919	0.5976	0.6971
23.1~23.2	7.63	12.779	13.347	0.5968	0.6964
23.0~23.1	7.59	12.740	13.303	0.5960	0.6957
22.9~23.0	7.56	12.702	13.26	0.5952	0.695
22.8~22.9	7.53	12.664	13.2178	0.5944	0.6942

- IV 曲线

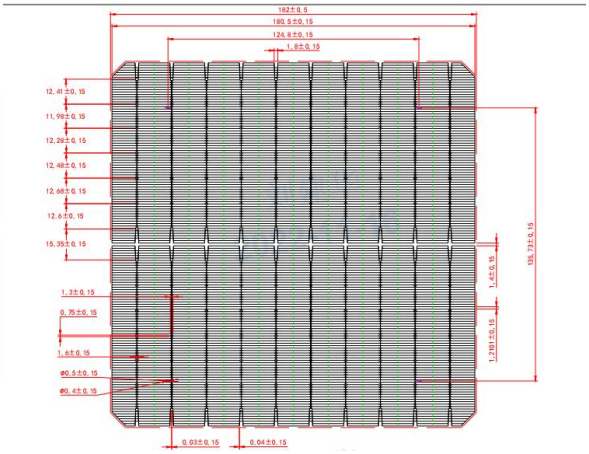
  I-V Curve



- 电池图形及尺寸
  Cell graphics and sizes



正面图形
FRONT DESIGN



背面图形
BACK SIDE DESIGN

- 光谱响应
  Spectral response