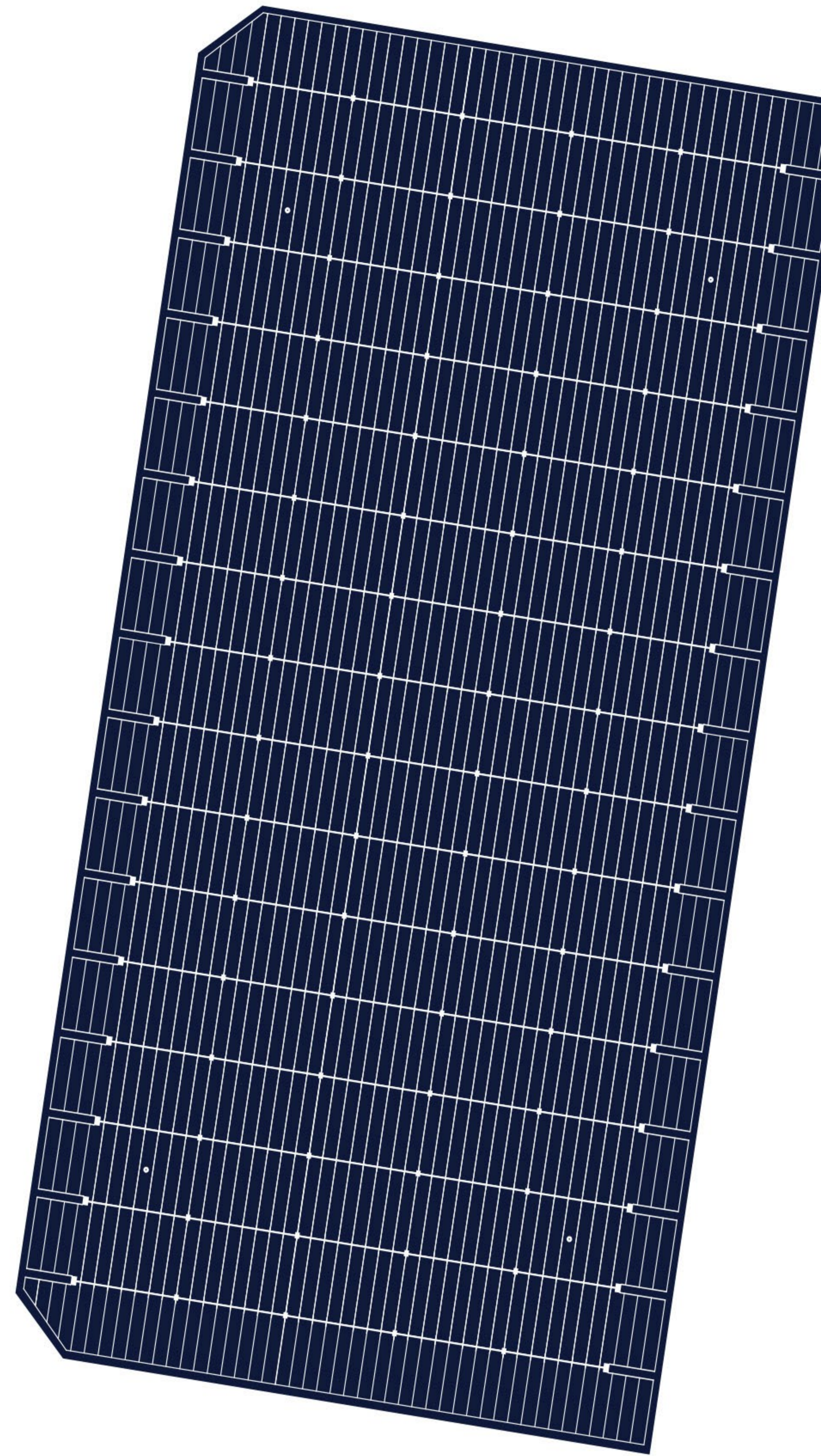


LKS-182MM-16BB-HJT

高效N型异质结 (HJT) 太阳能电池

尺寸	182mm×91mm±0.25mm
基体材料	N型单晶硅片
厚度	电池片130±20μm
正面 (-)	16根主栅(银) 蓝色透明导电膜(TCO)



性能优越

 **高转换效率**
结合微晶异质结电池技术

 **温度系数低**
温度系数为-0.26%/°C，在高温环境下的能耗损失更少

 **优异弱光性能**
弱光条件下优异的发电特性

 **高双面率**
双面率≥92%，更高的双面率可以提升发电量，增加额外收益

储存条件

存储环境温度：25°C±3°C，存储湿度：< 60%，远离易腐蚀的化学液体或者气体，建议六个月内使用完毕，电池片请放置在包装盒

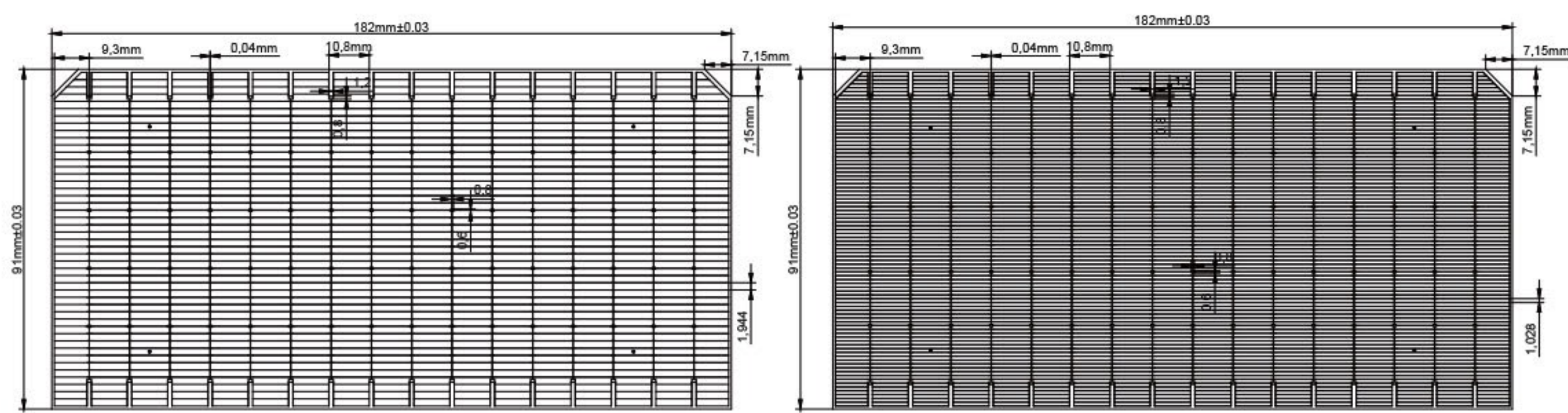
电性能参数表

高效N型异质结 (HJT) 太阳能电池

效率%	最大输出功率Pmp(W)	最大功率点电压Vmp(V)	最大功率点电流Imp(A)	开路电压 Voc(V)	短路电流Isc(A)	填充因子FF(%)
25.0	4.14	0.668	6.194	0.748	6.532	84.64
24.9	4.12	0.666	6.189	0.748	6.529	84.33
24.8	4.10	0.664	6.183	0.748	6.527	84.02
24.7	4.09	0.661	6.180	0.748	6.526	83.66
24.6	4.07	0.659	6.174	0.748	6.525	83.36
24.5	4.05	0.657	6.172	0.748	6.524	83.00
24.4	4.04	0.655	6.165	0.748	6.519	82.73
24.3	4.02	0.653	6.153	0.747	6.510	82.54
24.2	4.00	0.652	6.140	0.747	6.508	82.19
24.1	3.99	0.652	6.114	0.747	6.502	82.05
24.0	3.97	0.651	6.097	0.747	6.498	81.75
23.9	3.95	0.651	6.078	0.747	6.488	81.53
23.8	3.94	0.649	6.067	0.746	6.485	81.23
23.7	3.92	0.648	6.050	0.746	6.474	81.03
23.6	3.90	0.646	6.043	0.746	6.470	80.85
23.5	3.89	0.646	6.005	0.745	6.460	80.73

标准测试条件: 1000W/m², AM1.5, 25°C 以上技术参数受限于技术变更及测试

产品外观 (单位: mm)



正面图形

背面图形

温度系数

Voc(%/K)	Isc(%/K)	Pmax(%/K)
-0.27	+0.055	-0.26

包装参数

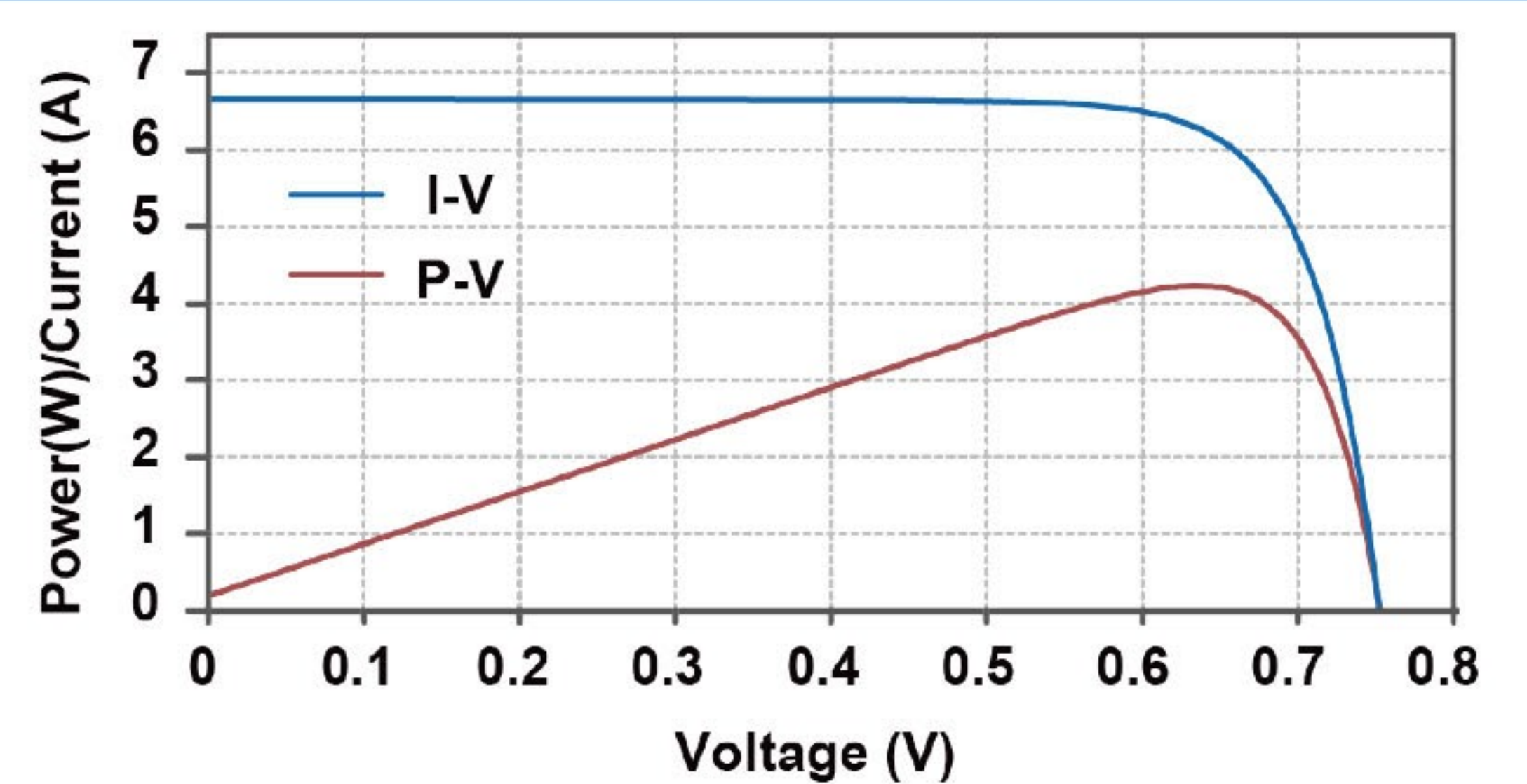
片/盒	盒/箱	片/箱
120	28	3360

不同辐照度下电性能变化

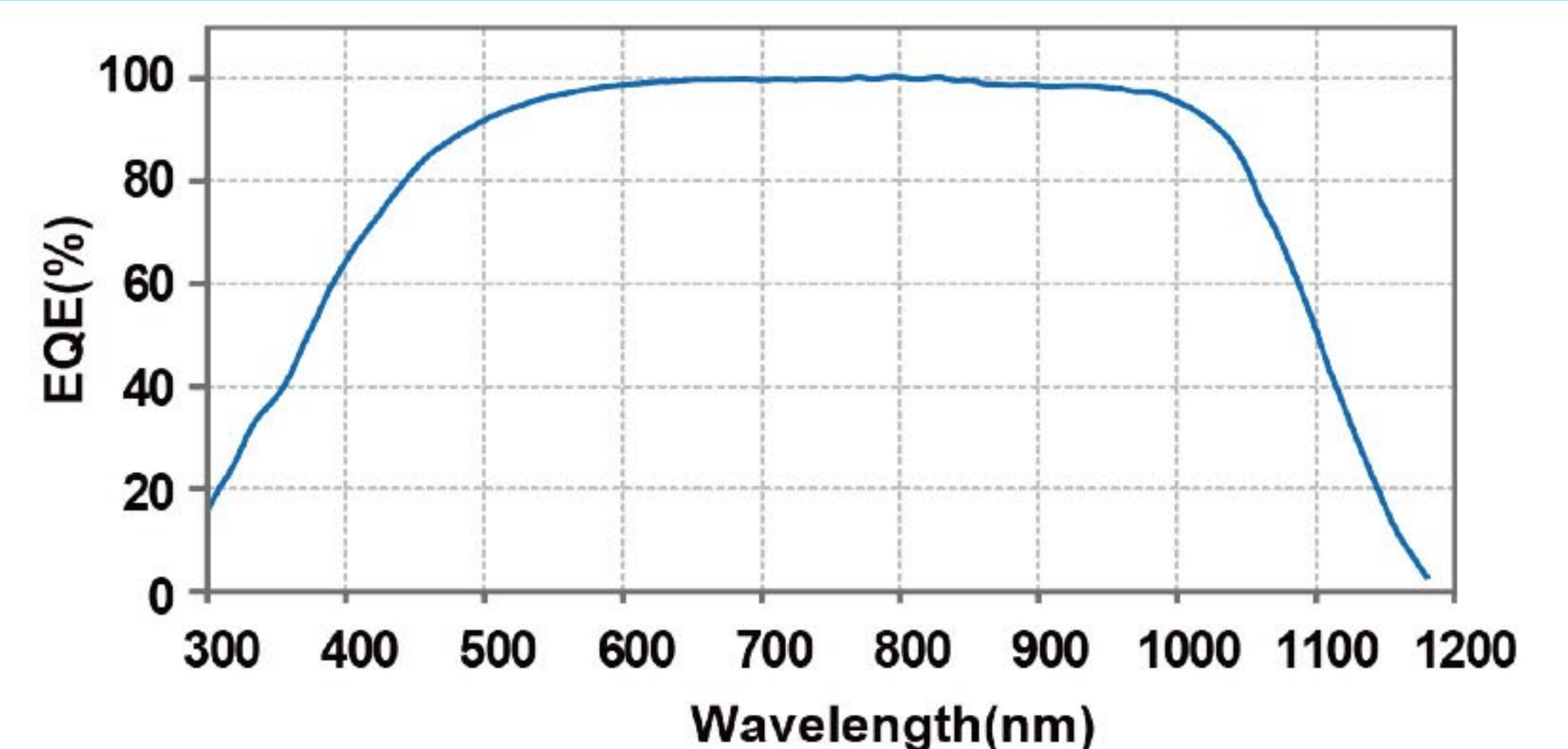
Intensity (W/m ²)	Voc(%)	Isc(%)
1000	100	100
900	99	90
800	99	80
600	98	60
400	96	40
200	94	20

*以 1000W/m² 测试的 Voc(Isc) 为标准, 测试 Voc(Isc) 随光强下降的幅度。

I-V曲线

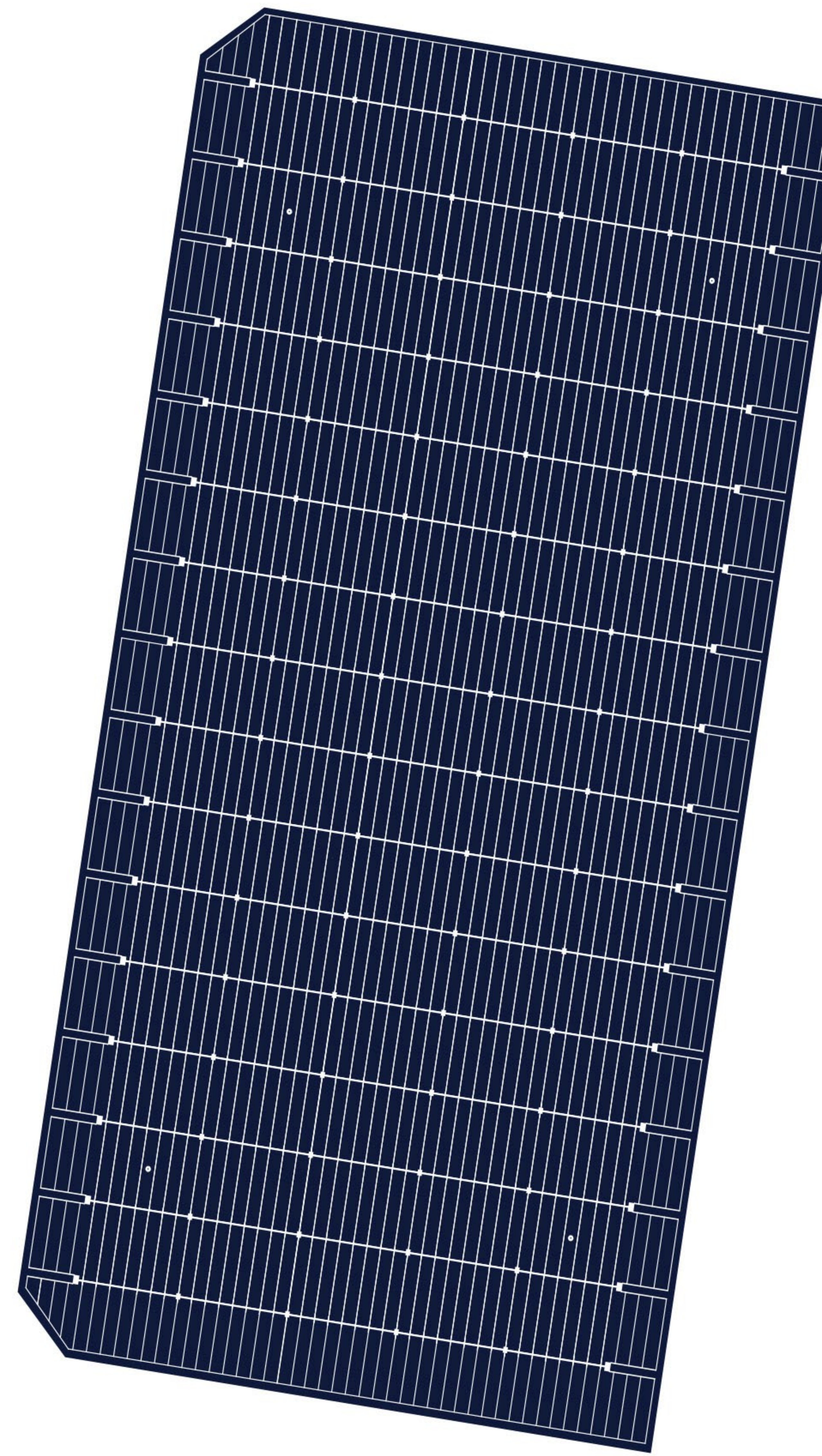


光谱响应



LKS-182MM-16BB-HJT

High Efficiency HJT Solar Cell



Dimensions	182mm×91mm±0.25mm
Solar Cells	N-Type Mono-crystalline
Thickness	130±20μm
Front (-)	16 Bus Bar (silver) Blue anti-reflecting coating(TCO)



**SUPERIOR
PERFORMANCE**



High Efficiency

Use leading microcrystalline technology



Excellent Low Irradiance Performance

Better low irradiance performance under low light conditions



Lower Temperature Coefficient

-0.26%/ °C
Stable yield in extremely hot climate



High Bifacial Rate

Up to 92%
Provide extra benefit

Storage Condition

Storage environment temperature: 25°C±3°C, storage humidity: < 60%, away from corrosive chemical liquid or gas
It is recommended to use it within six months. Please place the battery in the box

ELECTRICAL CHARACTERISTICS

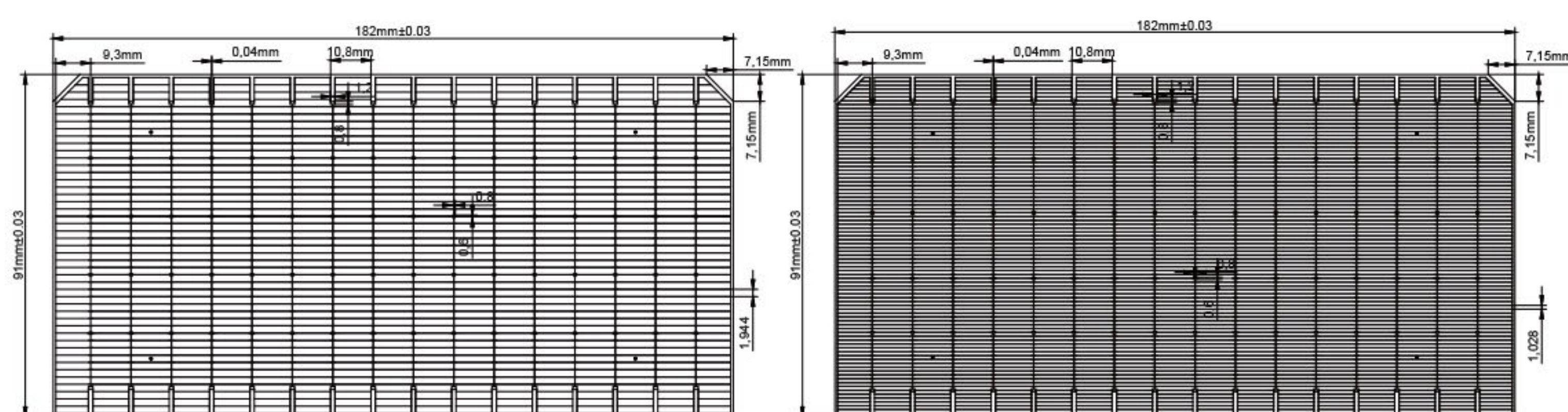
High Efficiency N-Type HJT Solar Cell

Efficiency Eff (%)	Maximum Power Output Pmp(W)	Maximum Voltage Output Vmp(V)	Maximum Current Output Imp(A)	Open circuit Voltage Voc(V)	Short Circuit Current Isc(A)	Fill Factor FF(%)
25.0	4.14	0.668	6.194	0.748	6.532	84.64
24.9	4.12	0.666	6.189	0.748	6.529	84.33
24.8	4.10	0.664	6.183	0.748	6.527	84.02
24.7	4.09	0.661	6.180	0.748	6.526	83.66
24.6	4.07	0.659	6.174	0.748	6.525	83.36
24.5	4.05	0.657	6.172	0.748	6.524	83.00
24.4	4.04	0.655	6.165	0.748	6.519	82.73
24.3	4.02	0.653	6.153	0.747	6.510	82.54
24.2	4.00	0.652	6.140	0.747	6.508	82.19
24.1	3.99	0.652	6.114	0.747	6.502	82.05
24.0	3.97	0.651	6.097	0.747	6.498	81.75
23.9	3.95	0.651	6.078	0.747	6.488	81.53
23.8	3.94	0.649	6.067	0.746	6.485	81.23
23.7	3.92	0.648	6.050	0.746	6.474	81.03
23.6	3.90	0.646	6.043	0.746	6.470	80.85
23.5	3.89	0.646	6.005	0.745	6.460	80.73

Standard test conditions:1000W/m², AM1.5, 25°C

The above technical parameters are subject to technical changes and tests

Product Appearance (mm)



Front

Back

Light Intensity Stability

Intensity (W/m ²)	Voc(%)	Isc(%)
1000	100	100
900	99	90
800	99	80
600	98	60
400	96	40
200	94	20

*Taking the Voc(Isc) tested at 1000W/m² as the standard, test the decrease of Voc (Isc) with the light intensity.

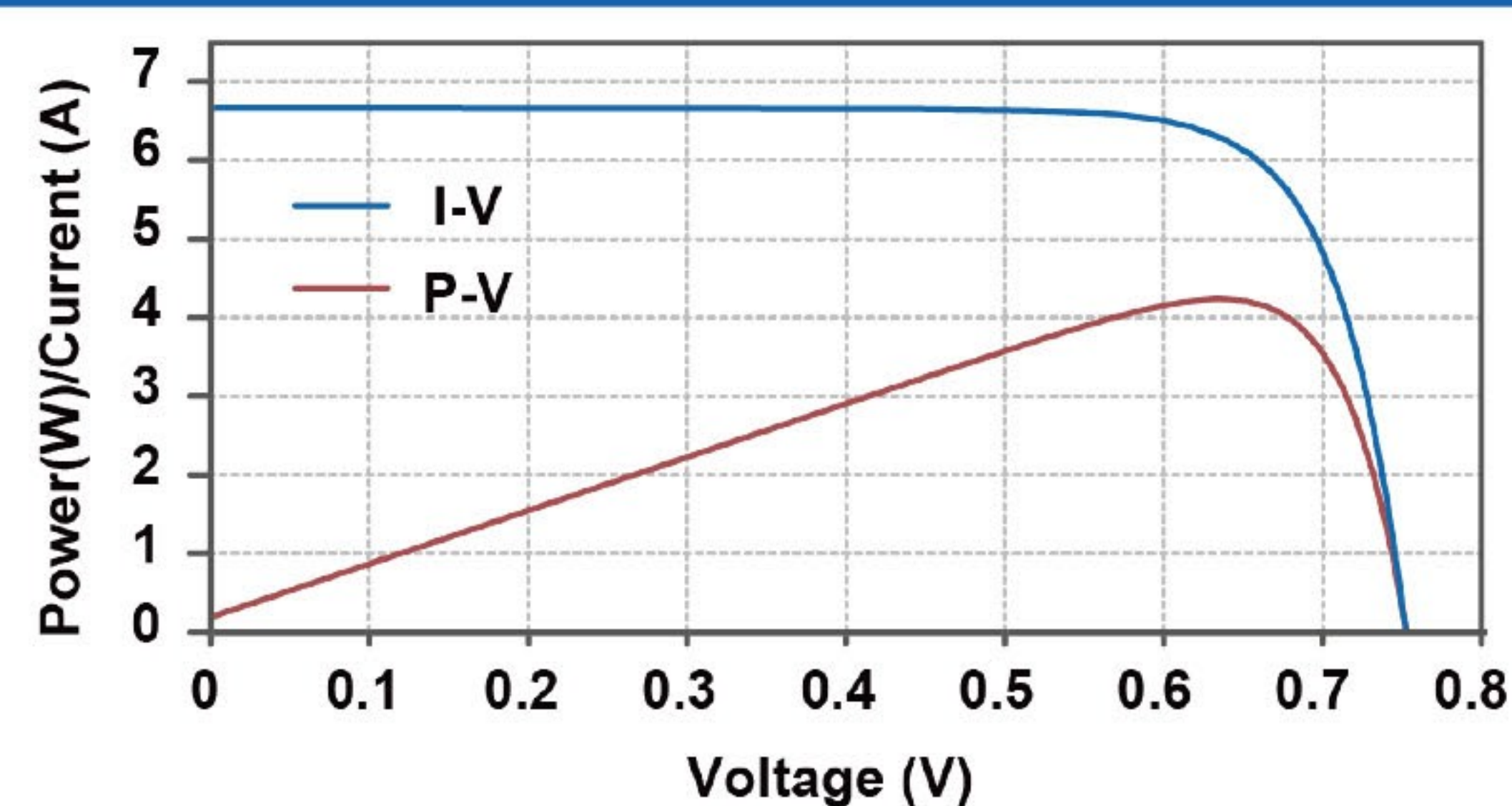
Temperature Coefficients

Voc(%/K)	Isc(%/K)	Pmax(%/K)
-0.27	+0.055	-0.26

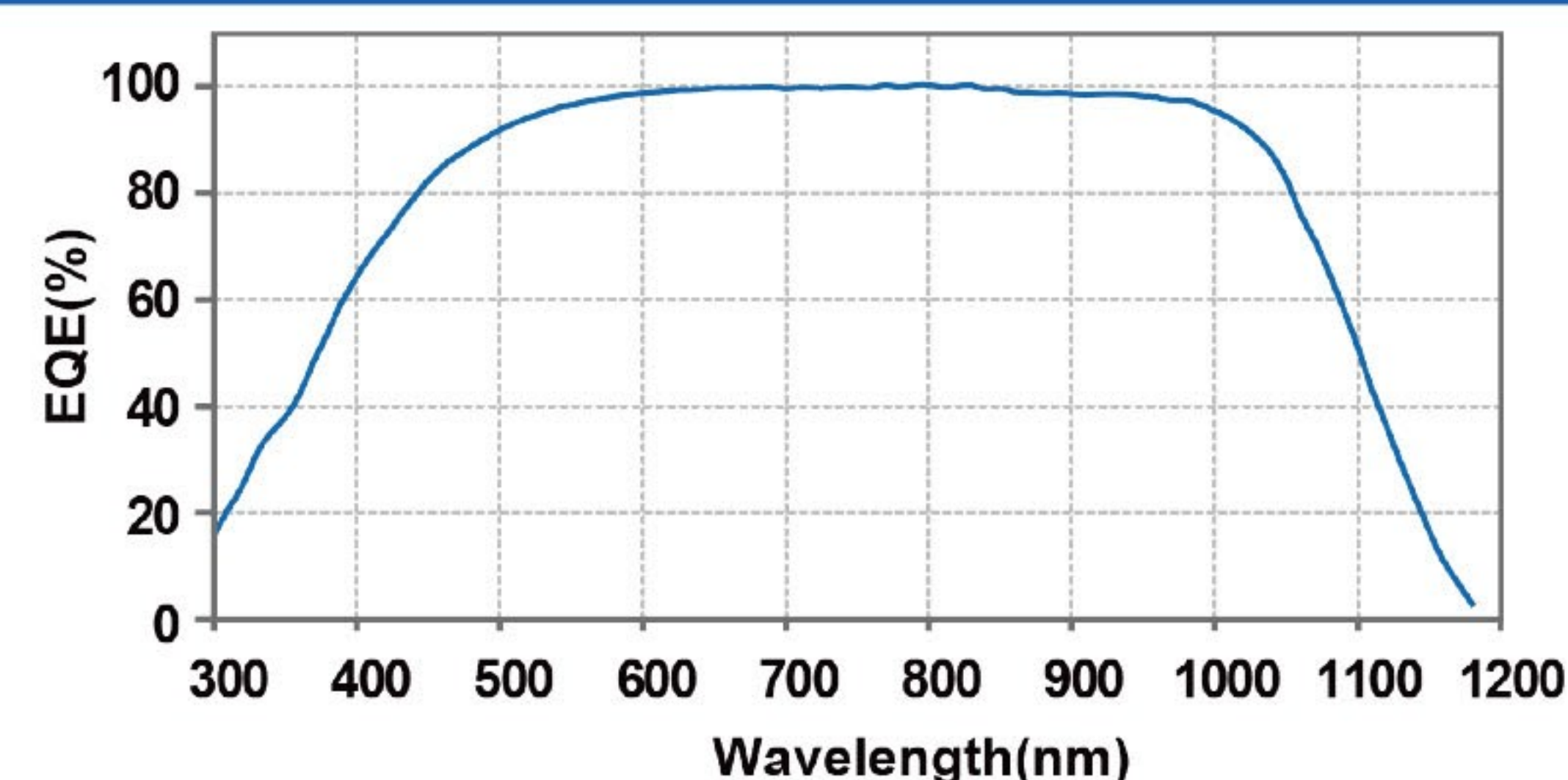
Packing Parameter

Pcs/Carton	Carton/Box	Pcs/Box
120	28	3360

I-V Curve



Spectral Response



Statement: Due to continuous technological innovation, product development and improvement, the characteristics above may be deviated, and the company has the right to adjust the characteristics at any time without notice; customer shall request the latest datasheets. when concluding the contract and make it an integral part of the binding contract concluded by the parties.