

**2**

**2kg质量，2mm厚度，更轻更薄**

2kg in weight, 2mm in thickness – lighter and thinner

**0.3  
0.5**

**可弯曲半径为0.3-0.5m**

Bendable with a radius of 0.3–0.5m



**弱光性能优秀，温度系数更低**

Excellent low-light performance &  
Lower temperature coefficient



**无需支架压块，安装方便快捷**

Easy and fast installation without mounting brackets



**无热斑/隐裂/PID**

No hot spots / micro-cracks / PID

**柔性钙钛矿光伏组件**  
**Flexible perovskite PV modules**

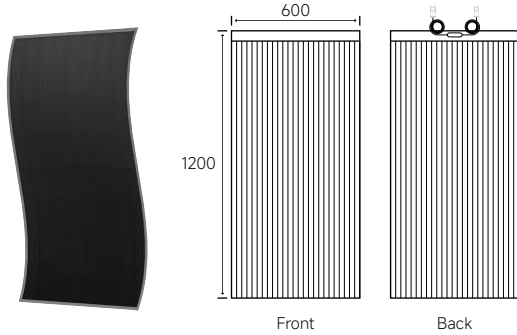
**JS-FP-03 80-110W**

# 柔性钙钛矿光伏组件

Flexible perovskite PV modules

## 产品图例 (单位: 厘米)

Drawings (Unit: mm)



## 机械参数

Mechanical Parameters

<b>产品尺寸</b> Product Dimensions	1200*600mm	<b>产品质量</b> Product Weight	2±0.5kg
<b>产品厚度</b> Product Thickness	2±0.2mm (thickness tolerance±0.2)	<b>芯片基材</b> Substrate Material	0.13mm ITO Film
<b>封装</b> Encapsulation	PIB&POE	<b>前板材料</b> Front Materials	0.205mm Barrier Film
<b>设计标准</b> Design standard	IEC 61215 & IEC61730	<b>电缆长度</b> Cable Length	800mm
<b>连接器型号</b> Connector Mode	05-8, UTX, EVO2, RHC2xyzu (兼容MC4) (Compatible with MC4)	<b>背板材料</b> Back Materials	0.4mm backsheet/ 0.205mm Barrier Film

## 电性能参数

Electrical Performance Parameters (STC)

产品型号 Model | JS-FP

STC (标准测试条件): 辐照度1000W/m<sup>2</sup>, 电池温度25°C, 大气质量AM1.5.  
STC (Standard Test Conditions): Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, air mass AM1.5.

组件 PV Module		JS-FP-03							
额定功率 Rate Power	Pmpp (w)	80	85	90	95	100	105	110	
容许误差 Deviation	W	±10							
电压 Voltage±10%	Vmpp (V)	61.10	62.20	64.40	63.16	66.11	68.16	70.25	
电流 Current±5%	Impp (A)	1.33	1.38	1.44	1.57	1.58	1.60	1.63	
开路电压 Open circuit voltage±10%	Voc (V)	82.70	83.50	84.10	87.03	91.10	94.07	96.94	
短路电流 Short circuit current±5%	Isc (A)	1.65	1.67	1.73	1.77	1.78	1.81	1.84	
最大系统电压 Max system voltage	Vsys (V)	DC1000							
效率 Efficiency	%	11.10	11.80	12.50	12.67	13.30	14	14.67	
逆电流承受阈值 Inverse current	A	3							

说明: 以上电性能参数与实际产品参数有细微差异, 以产品实际测试功率为准。

Note: The above electrical performance parameters are slightly different from the actual test power, so please are subject to the actual tests

## 应用范围

Scope of application

**温度范围** Temperature range

-40°C/+85°C

**电池类型** PV type

钙钛矿电池 PVSK cell

**IP防护等级** IP Protection Rating

IP67

**弯曲半径** Bending Radius

0.3-0.5m

## 温度系数

Temperature Coefficients

**额定工作电池温度** NOCT Rated Operating Cell Temperature

42.3±2°C

**功率温度系数** TCOE-Pmpp Power Temperature Coefficient

-0.003%/°C

**开路电压 (Voc) 温度系数** TCOE-Voc Temperature Coefficient of Open Circuit Voltage

-0.001%/°C

**短路电流 (Isc) 温度系数** TCOE-Isc Temperature Coefficient of Short Circuit Current

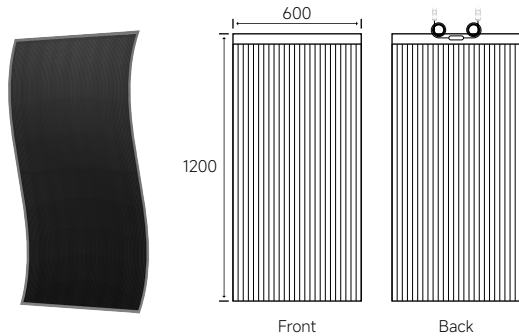
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