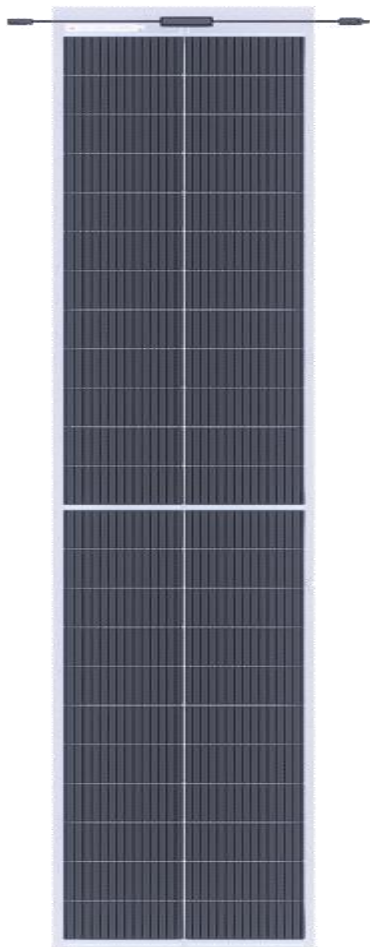




中科富能  
ZKFN SOLAR

## SolarVela Pro 轻质晶硅定制化组件

组件型号: ZKFN J1 010A 组件功率: 175W



175W

最大输出功率

18.97%

转换效率

0~+5W

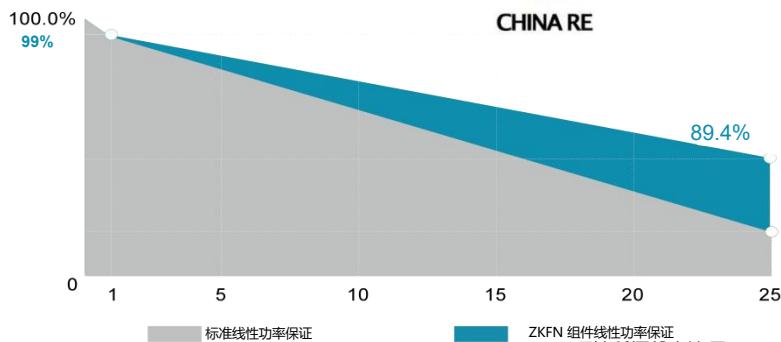
功率公差

功率质保25年

12年  
质量保证

25年  
功率质保

中国大地财产保险承保



※首年衰减小于1 →, 25年功率输出不低于89.4 →.

### 产品及体系认证



ISO三体系认证



轻

重量2.9 kg/m<sup>2</sup>, 低于传统玻璃组件重量的30%



强

业界首款冰雹冲击无隐裂, 功率零衰减柔性晶硅组件



薄

厚度1.8mm (不含接线盒), 是传统组件厚度的50%



易

系统无需支架, 原装面直接粘贴, 结构胶快速安装



柔

最小弯曲半径可达0.3m, 电池无隐裂, 功率无衰减

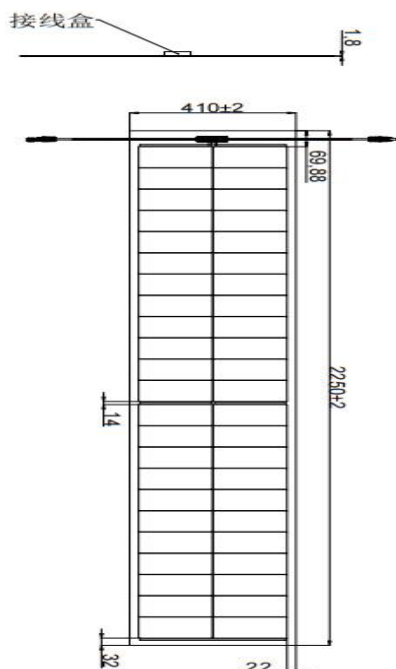


美

表面颜色和图案可定制化, 满足建筑美学要求



## 组件尺寸(mm)



## 电性能参数(STC\*)

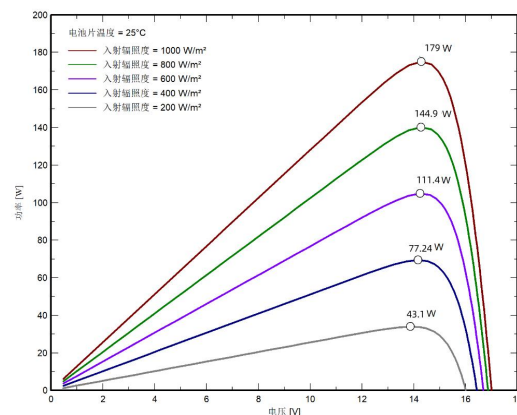
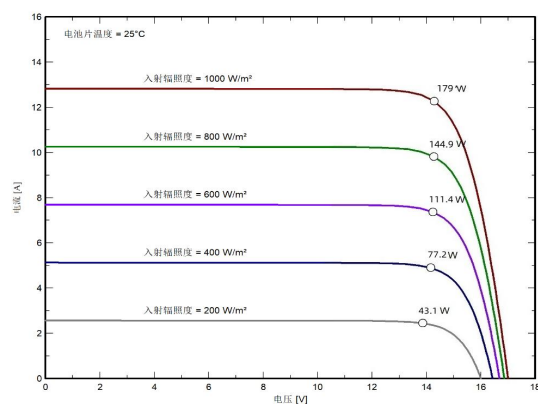
组件型号	ZKFN J1 010A-175		
峰值功率	PMPP	[W]	175
功率公差	0 ~ +3%	[W]	0 ~ 5W
峰值电压	VMPP	[V]	28.86
峰值电流	IMPP	[A]	6.09
开路电压	Voc	[V]	33.82
短路电流	Isc	[A]	6.44
最大保险丝额定电流		[A]	25
最大系统电压	IEC/UL	[V]	1500V DC(IEC)

STC \* (标准测试条件):辐照度=1000W/m<sup>2</sup>,电池温度=25°C,AM=1.5, 测试误差±3%

## 温度系数

温度系数 (PMPP)	[%/°C]	-0.29
温度系数 (Voc)	[%/°C]	-0.26
温度系数 (Isc)	[%/°C]	+0.045
标称工作温度NOCT	°C	45±2°C

## 曲线特性图(175Wp)



## 机械参数

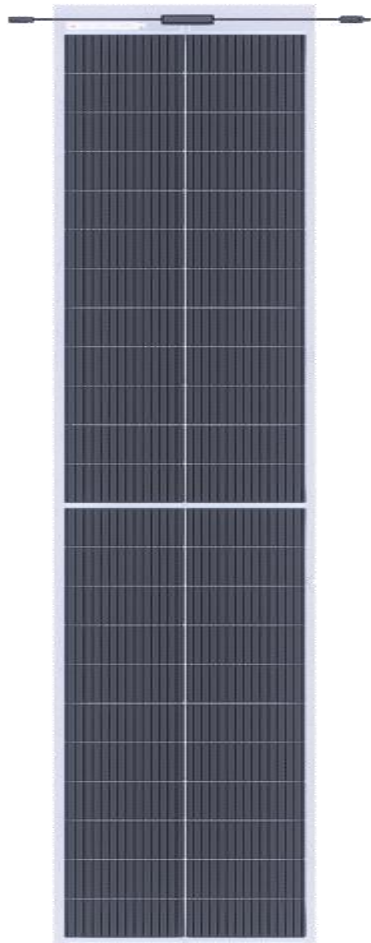
电池规格	Topcon电池 182.2mm*183.75mm
组件尺寸	2250*410*1.8mm
组件厚度	1.8mm (不含接线盒)
组件重量	2.9kg/m <sup>2</sup>
连接器	MC4兼容
接线盒	IP68
背板颜色	黑色/白色

## 应用参数

最大系统电压	DC1500V
功率公差	0 ~ +5W
工作温度	-40°C ~ +85°C
最大保险丝额定电流	25A
静态载荷	3600Pa



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## SolarVela Pro

### Topcon Flexible Module

Module type: ZKFN J1 010A Peak-power: 175W

**175W**

Max-Power

**18.97%**

Max-Efficiency

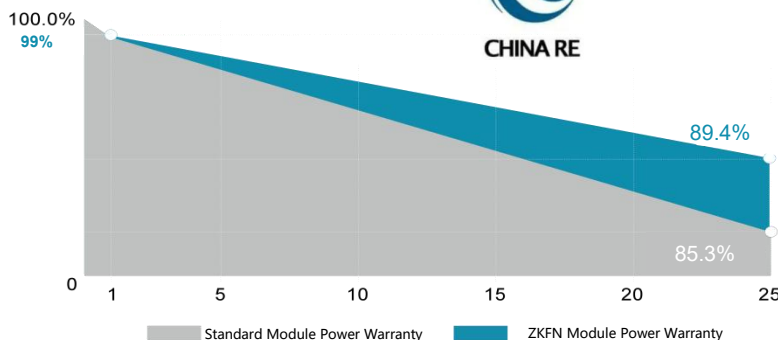
**0~+5W**

Power-tolerance

#### Reinsurance Coverage for 25 Years



Insured by China RE



※1st year degradation less than 1%, 25 years power output 89.4% guaranteed.

### Quality Assurance

IEC61215, IEC61730

ISO9001:2015



### Low-weight

Areal weight: 2.9 kg/m<sup>2</sup>, Less than 30% of traditional glass-based solar modules



### High-strength

World's only flexible C-Si solar panels which can pass 35 mm hail test



### Thin

Thickness: 1.8 mm (junction box not included), Only 50% of traditional glass-based solar modules



### Easy-to-install

No need for PV support bracket, modules can be directly bonded to installation surface by weather-resistant glue



### Flexible

Smallest bending radius of 0.3 m, No cell cracks and no power losses



### Aesthetics

Module's surface and texture can be customized to meet aesthetic requirements

**山东中科富能光电科技有限公司**

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Tel.: 0086 400 6768 100 / 00866 199 0537 7053 Web.: [www.zkfn-solar.com](http://www.zkfn-solar.com)

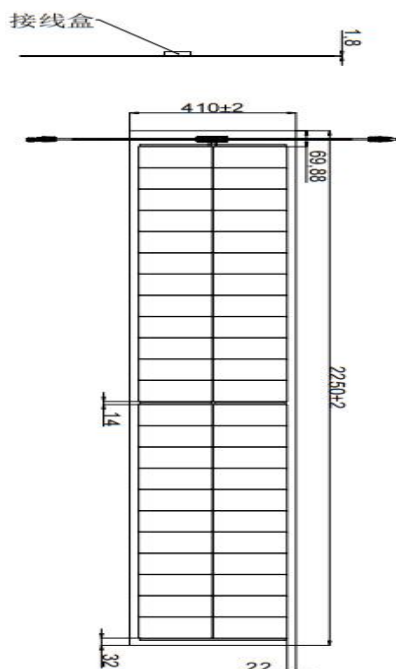
Add.: Workshop 1, XinShenglin, Green Sea Gateway Intelligent Manufacturing Industrial Park, Jining Economic and Technological Development Zone, Jining, Shandong



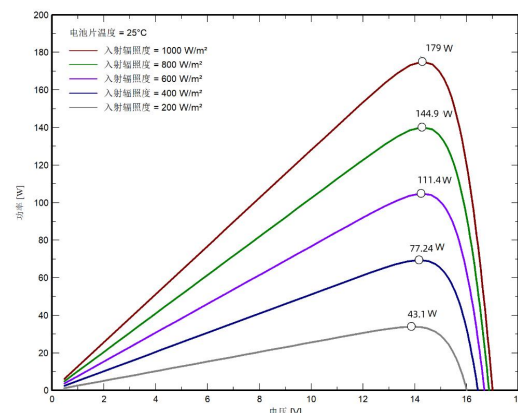
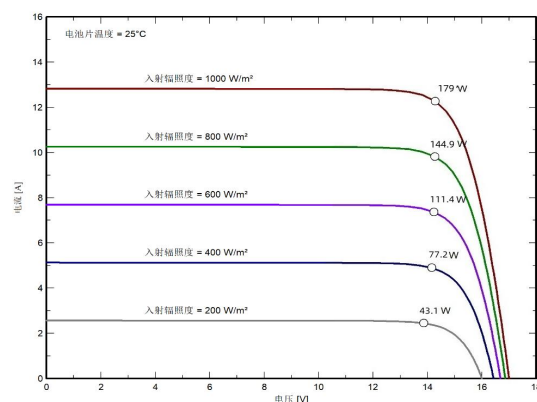
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## Size(mm)



## Curve characteristic diagram (175Wp)



## Electrical performance parameters (STC\*)

Module Type	ZKFN J1 010A-175		
Max-Power	PMPP	[W]	175
Power Tolerance		[W]	0 ~ 5W
Max-Power Voltage	VMPP	[V]	28.86
Max-Power Current	IMPP	[A]	6.09
Open-Circuit Voltage	Voc	[V]	33.82
Short-Circuit Current	Isc	[A]	6.44
Max. series fuse rating		[A]	25
Max. system voltage	IEC/UL	[V]	1500V DC

STC\*: Irradiance=1000 W/m², Module temperature=25°C, AM=1.5,  
Test uncertainty for Pmax:±3%

## Mechanical parameters

Cell Type	Mono PERC 182.2mm*183.75mm
Size	2250*410*1.8mm
Thickness	1.8mm (junction box not included)
Weight	2.9kg/m²
Connector	MC4 Compatible
Junction-box	IP68
Backboard color	White/black

## Temperature coefficient

Temperature-coefficient of PMPP	[%/°C]	-0.29
Temperature-coefficient of Voc	[%/°C]	-0.26
Temperature-coefficient of Isc	[%/°C]	+0.045
NOCT	[°C]	45±2

## Application parameters

Max. system voltage	DC1500V
Power Tolerance	0 ~ +5W
Operating temperature range	-40°C ~ +85°C
Max. series fuse rating	25A
Mechanical Load	3600Pa