

# 小太阳系列

72片透明背板组件

TW-280MM-1

280W

0-3%正公差保障



单晶硅



A级片

## · 质量认证



适用范围:

本产品规格书对产品的尺寸、性能,测试方法进行了规范,作为技术确认的依据。

### 结构特性

组件尺寸	1722*770*30mm
重量	12.5kg
电池	高效单晶182*91mm 72片(4X18)
玻璃	3.2mm高透光性钢化玻璃
边框	阳极氧化铝合金
接线盒	Ip68
结构	密封:EVA 背面:PET/TPT
电缆/连接器	4mm <sup>2</sup> , MC4兼容

### 组件特性

开路电压(Voc)	22.05V
短路电流(ISC)	18.43A
最大工作电压(Vmp)	18.30V
最大工作电流(Imp)	15.30A
峰值功率(Pmax)	280W
工作温度(Temp)	-40°C~+85°C

### 产品容限

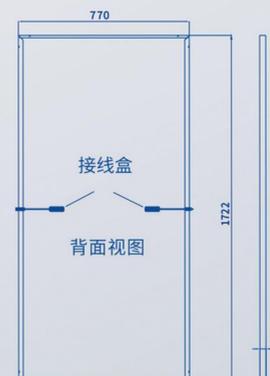
功率容差	±5%
最大功率温度系数	-0.40%/°C
开路电压温度系数	-0.30%/°C
短路电流温度系数	0.06%/°C
最大系统电压	1000V



一般特性:

- 产品应用范围:  
该产品可在太阳能组件,太阳能发电系统,太阳能应用产品等领域使用
- 标准测试条件:  
本产品测试条件为AM1.5、1000W/m<sup>2</sup>、25°C

### 组件尺寸



10 10年产品质保

20 20年线性功率质保

使用和存放环境条件

- 保存环境:-10°C-40°C
- 阳光下无遮挡之户外环境使用

使用注意事项

- 不可超出功率使用范围
- 使用过程中避免硬物刮伤表面
- 运输和装配时不能承受弯曲力
- 不可有强腐蚀性物质接触,如有,应立即擦洗干净
- 太阳能板与电器连接时,注意连接线是否断路,正负极是否接反等现象



地址:江苏省南通市如东县曹埠镇上漫工业园区  
电话:86-513-69976081/81900128  
邮箱:salesdept@techwisesolar.com  
网址:www.techwisesolar.com

本规格书中包含的所有数据如有任何更改,恕不另行通知。更多产品信息请联系我们  
最终解释权归绿鼎光伏科技所有。(2024年3月V3)

# Micro Sun Series

Transparent  
72 - cell Module

TW-280MM-1

**280W**

0-3% Positive Tolerance



Monocrystalline



Grade A

## Quality Certification



Scope:

This Product Specification indicates the details of this product's Scale, Performance, and Lab Test results.

### Module Specification

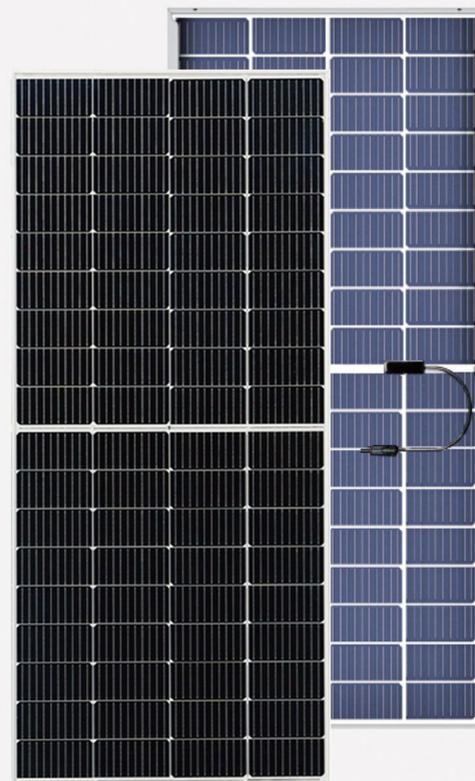
Module Size	1722*770*30mm
Weight	12.5kg
Cell Type	Mono crystalline 182*91mm, 72 Pieces(4*18)
Glass	3.2mm
Frame	Anodized aluminum alloy
Junction Box	Ip68
Module Material	EVA, PET/TPT
Cable	4mm <sup>2</sup> , MC4 compatible

### Electrical Characteristics

Voc(V)	22.05V
Isc(A)	18.43A
Vmp(V)	18.30V
Imp(A)	15.30A
Pmax(W)	280W
Temp	-40°C +85°C

### Temperature Characteristics

Power Tolerance	±5%
Max.Power Temp.	-0.40%/°C
Open circuit Voltage Temp.	-0.30%/°C
Shot circuit current Temp.	0.06%/°C
Max.System Voltage(V)	1000V



General Specification:

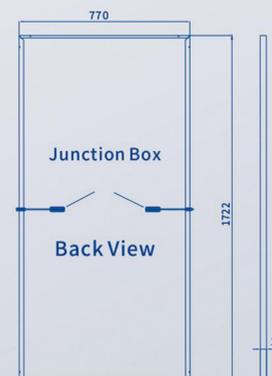
1. Scope of Product Application:

This Product is applicable in Solar Module matrix and Solar System for both domestic home and industrial purpose

2. Test Condition:

Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM1.5

### Engineering Drawings



10 Years Product Warranty

20 Years Linear Power Warranty

Environment Condition:

- 1.Storage:-10°C-40°C
- 2.Do not block, expose under sun light

Please Be Aware:

- 1.Do not apply exceeds standard rate of work.
- 2.Avoid any scratches during installation.
- 3.Do not bend during usage or transportation.
- 4.Do not contact with any strong corrosion materials.
5. Identify correct Positive and Negative polarity during installing.



Add:Shangman Industrial Park,Caobu Town  
Rudong County,Nantong City,Jiangsu Province,China  
Tel:86-513-69976081/81900128  
Web:www.techwisesolar.com  
Email:salesdept@techwisesolar.com

All data and specifications included in this brochure may subject to be modified without notice.  
All Rights reserved by TechWise Solar Co.  
(Mar 2024 V3 Edition)