



意派太阳能

Monocrystalline Solar Module 265W to 290W 156EP280A-60 单晶组件



High Module Conversion Efficiency/组件转换效率高

Up to 17.72% conversion efficiency to ensure high quality /高达 17.72%转换效率



Excellent Weak Light Performance/低辐照度下性能极佳

Excellent performance under low light environments (Mornings, evenings, and cloudy days)

低辐照度下性能极佳，如清晨、晚间、阴天等



Withstand High Wind Pressure/对抗高风压

Snow Loads and Extreme Temperature/雪载和极限温度

Entire module certified to withstand high wind loads 2400Pascal, snow loads 5400Pascal and extreme temperature

组件能承受风压 2400 帕斯卡，雪载 5400 帕斯卡

Why Choose EP Solar Modules?/为何选择意派太阳能组件

- Unrivaled manufacturing capacity and International standard quality/高产能，国际标准质量
- Strict quality control to make the world-class technology/严格的质检以保证世界级品质
- All products with TUV authentication/所有产品通过 TUV 认证
- Factory pass GMC (Glob Manufacturer Certificate) audit and ISO 9001:2008 工厂通过 GMC 认证和 ISO 9001:2008 质量管理体系认证



Limited Warranty/

质量保证

- 5years material and workmanship warranty 原材料 5 年质保
- 25years limited warranty on power output 保证最低 25 年功率输出
- 90% power output assurance 10r 10years 10 年保证 90%功率输出
- 80% power output assurance 10r 20years 20 年保证 80%功率输出

Applications/应用

- Any large or small on-grid and of1-grid solar power station 大中型并网、离网太阳能发电站
- Commercial, industrial or residencies roof-top system 商业、工业或住宅屋顶系统
- Any commercial or industrial ground mounted system 商业或工业地面安装系统
- Other commercial and industrial applications 其他商业或工业应用

Mechanical Characteristics/机械特性

Solar Cell/电池片	Monocrystalline156*156mm(6inches)
No.of Cells/电池片	60 (6*10)
Diamension/尺寸	1650*992*35mm (65.0*39.1*1.4inches)
Weight/净重	18.0kgs (39.6lbs.)
Front Glass/前板	3.2mm(0.13inches)low iron tempered glass
Frame/边框	Anodized aluminum alloy
Junction Box/接线盒	IP67 rated
Output Cables/线缆	TUV certified, 4.0mm ² , 900mm length
Connectors/连接器	Compatible connector

Temperature Characteristics/温度特性

Nominal Operating Cell Temperature (NOCT) /额定电池工作温度	45±2°C
Temperature Coefficient of Pmax/最大功率温度系数	-0.47%/°C
Temperature Coefficient of Voc/开路电压温度系数	-0.34%/°C
Temperature Coefficient of Isc/短路电流温度系数	0.06%/°C

Absolute Ratings/绝对条件

Dielectric Insulation Voltage	3000V
Storage Temperature/储存温度	-40°Cto+85°C
Mechanical Load/机械载荷	5400Pa

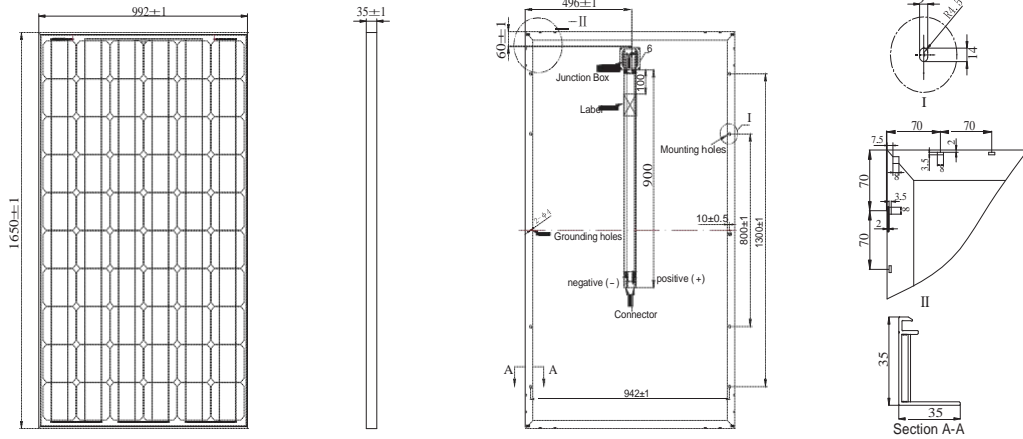
Sunshine Technology Wisdom Energy/阳光科技智慧能源 Offer effective, stable, safe and profitable alternative solar energy solutions for all!

为顾客提供高效、稳定、安全、最优异投资回报的太阳能替代能源解决方案



意派太阳能

Monocrystalline Solar Module 265W to 290W
156EP280A-60 单晶组件



Electrical Characteristics/电气特征

STC (Standard Test Conditions)/标准测试条件

Type/类型	EP290A-60	EP285A-60	EP280A-60	EP275A-60	EP270A-60	EP265A-60
Maximum Power at STC (Pmax)/最大功率	290W	285W	280W	275W	270W	265W
Optimum Operating Voltage (Vmp)/最佳工作电压	32.76V	32.36V	31.95V	31.66V	31.37V	31.63V
Optimum Operating Current (Imp)/最佳工作电流	8.853A	8.805A	8.769A	8.69A	8.611A	8.381A
Open Circuit Voltage (Voc)/开路电压	39.31V	39.26V	39.22V	38.86V	38.51V	37.85V
Short Circuit Current (Isc)/短路电流	9.384A	9.333A	9.305A	9.222A	9.138A	8.944A
Maximum System Voltage/最大系统电压	IEC:1000V DC / UL:600V DC					
Maximum Series Fuse Rating/过流保护	15A					
Cell Efficiency/电池片转换效率	20.44%	20.09%	19.73%	19.38%	19.03%	18.68%
Module Efficiency/组件转换效率	17.72%	17.41%	17.11%	16.80%	16.50%	16.19%
Operating Module Temperature/组件工作温度	-40°C to +85°C					

STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5

标准测试条件: 辐照 1000W/m², 组件温度 25°C, 大气质量 AM1.5

NOCT (Nominal Operating Cell Temperature)/额定电池工作温度

Type/类型	EP290A-60	EP285A-60	EP280A-60	EP275A-60	EP270A-60	EP265A-60
Maximum Power (Pmax)/最大功率	215W	211W	207W	204W	200W	196W
Maximum Power Voltage (Vmp)/最大功率电压	30.06V	29.69V	29.31V	29.05V	28.78V	29.02V
Maximum Power Current (Imp)/最大功率电流	7.14A	7.1A	7.07A	7.01A	6.94A	6.76A
Open Circuit Voltage (Voc)/开路电压	36.64V	36.59V	36.55V	36.22V	35.89V	35.28V
Short Circuit Current (Isc)/短路电流	7.61A	7.57A	7.55A	7.48A	7.41A	7.26A

NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

额定电池工作温度: 辐照 800W/m², 环境温度 20°C, 风速 1m/s

