

# RSM60-156P<sup>PID RESISTANT</sup>

## BLACK MODULE | 235-260W

绿色瑞晶 把握未来  
Green Risun Grasp future



### PRODUCT OVERVIEW

RSM60-156P PV module is composed of 60pieces 156mm×156mm Poly-Silicon solar cells in series. This type of module is certified according to IEC61215:2005 standard. It has characters of high efficiency, long lifecycle, hail storm proof, and easy installation. Products are widely used in roofing system, street lamps, surveillant / detective systems and devices, grid-connected PV power systems and equipments.



### MODULE CHARACTERISTICS

High efficiency, beautiful appearance, tonal and consistent; with all black materials, module efficiency reaches to 16% which is the leader in manufacturing process.



### MODULE PRINCIPLE

Using the traditional packaging lamination process with black material in Poly-Silicon cell.



### MODULE PURPOSE

Applicable to the BIPV and the roof project.

### ELECTRICAL CHARACTERISTICS

Maximum Power Pmp, [Watt]	235	240	245	250	255	260
Power Tolerance, [W]	0 / +5					
Voltage at maximum power point Vmpp, [V]	29.58	29.81	30.04	30.27	30.52	30.77
Current at maximum power point Imp, [A]	7.95	8.05	8.16	8.27	8.36	8.45
Open circuit voltage Voc, [V]	37.33	37.5	37.65	37.65	38.01	38.20
Short Circuit Current Isc, [A]	8.34	8.45	8.57	8.57	8.79	8.89
Module Efficiency, [%]	14.5	14.8	15.1	15.4	15.7	16.0

Measurements under Standard Test Conditions (STC)  
Irradiance 1000W/m<sup>2</sup>, AM1.5G Spectrum and Cell Temperature 25°C

### MECHANICAL CHARACTERISTICS

Cell Type	Poly-crystalline, 156mm × 156mm
Cell Configuration	60 cells (6 × 10)
Module Dimension	1636mm × 992mm × 35mm
Module Weight	18.0 Kg
Glass	3.2mm, low Iron tempered Solar Glass
Frame	Anodized Al alloy Type 6063 T5; Black
J-Box	Potted, IP67, 1000V DC, IEC & UL certified
Cable	4.0mm <sup>2</sup> / 12 AWG, 1000 mm, IP67
Connectors	QC4.10

### THERMAL CHARACTERISTICS

Nominal Operating Temperature NOCT	45 ± 2°C
Temperature Coefficient of Isc, α	+0.05 %/°C
Temperature Coefficient of Voc, β	-0.31 %/°C
Temperature Coefficient of Pmax, γ	-0.41 %/°C

### MAXIMUM OPERATING INSTRUCTIONS

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V
Maximum Series Fuse Rating	15A

### PACKING INSTRUCTIONS

Number Of Modules Per Box / Pallet	29
Number of Pallets / 40' Container	28

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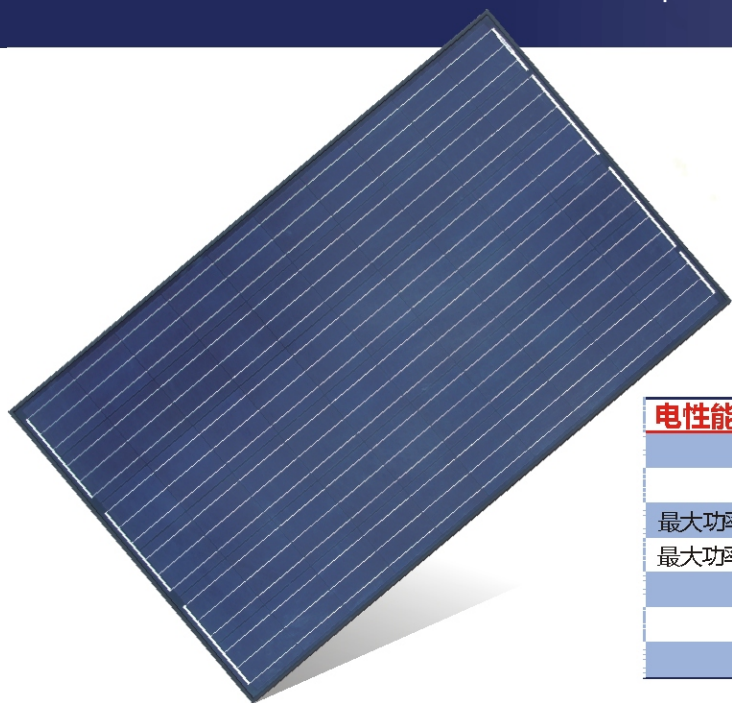
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# RSM60-156P

黑色组件 | 235-260W

抗PID

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## 电性能参数

	235	240	245	250	255	260
最大功率 [W]	235	240	245	250	255	260
功率公差 [W]	0 / +5					
最大功率点开路电压 [V]	29.58	29.81	30.04	30.27	30.52	30.77
最大功率点短路电流 [A]	7.95	8.05	8.16	8.27	8.36	8.45
开路电压 [V]	37.33	37.5	37.65	37.65	38.01	38.20
短路电流 [A]	8.34	8.45	8.57	8.57	8.79	8.89
组件效率 [%]	14.5	14.8	15.1	15.4	15.7	16.0

标准测试环境(STC)

辐照度 1000W/m<sup>2</sup>, 大气质量AM1.5, 组件温度25°C



## 产品概述

RSM60-156P 光伏组件是由60片156mm×156mm多晶硅电池片串联组成。产品性能按照IEC61215:2005国际标准进行生产,具有效率高、寿命长、抗风雪冰雹,以及安装简便等特性。产品广泛应用于屋顶系统、路灯、测量、监测系统、并网发电系统等。



## 产品特点

组件高效、外观美丽整洁、色调一致;黑色封装材料组件整体转化效率达到16%,是行业制造工艺的领导者。



## 产品原理

采用多晶电池片搭配黑色材料使用传统封装层压工艺。



## 产品用途

适用于建筑一体化(BIPV)项目及屋顶计划项目中。

## 机械参数

电池片规格	多晶, 156mm × 156mm
电池片数量	60 片 (6 × 10)
组件尺寸	1636mm × 992mm × 35mm
组件重量	18.0 Kg
玻璃	3.2mm, 低铁钢化太阳能专用玻璃
边框	阳极氧化铝边框6063 T5; 黑色
接线盒	灌胶, IP67, 1000V DC, IEC & UL 认证
电缆	4.0mm <sup>2</sup> / 12 AWG, 1000 mm, IP67
连接器	QC4.10

## 工作温度

正常工作温度 NOCT	45 ± 2°C
短路电流温度系数 α	+0.05 %/°C
开路电压温度系数β	-0.31 %/°C
最大功率温度系数, γ	-0.41 %/°C

## 工作参数

工作温度	-40°C to +85°C
最大系统电压	1000V
最大保险丝额定电流	15A

## 包装参数

片/托盘	29
托盘/40' 集装箱	28

## 江西瑞晶太阳能科技有限公司

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