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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

### **Gold Crystal Energy International GmbH 156 Series Multicrystalline GC-255P60-C**

Also available on the web at  
[EnergyPal.com/gold-crystal-energy-international-gmbh-solar-panels/gc-255p60-c](http://EnergyPal.com/gold-crystal-energy-international-gmbh-solar-panels/gc-255p60-c)



## 156 Series Multicrystalline

Solar Module

GC-(SERIES)P60-C

240W  
260W

### Power Range

240-260Wp  
0~+3% power output guarantee



### Resistance to Salt Corrosion and Humidity

Module complies with IEC 61701: Salt Mist Corrosion Testing



### Highly Strengthened Design

Module complies with advanced loading tests to meet 5400 Pa loading requirements



### IP-67 Rated Junction Box

Advanced water and dust proof level



### Fully Automated production

The world's largest & most advanced fully automated modules lines from Reis Robotics Germany, make modules more reliable and durable



### Enhanced safety

Module complies with UL 1703 fire testing  
Fire class C certified



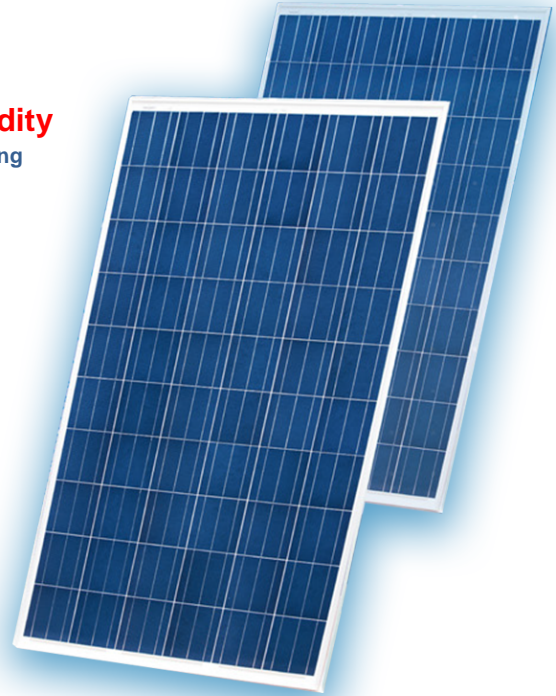
### Ammonia Resistance

Module complies with ammonia resistance testing  
Reliable in ammonia rich environment



### PID-Free (Optional)

Innovation technologies on cell and module production help avoid degradation caused by potential changing



GC-240P60-C

GC-245P60-C

GC-250P60-C

GC-255P60-C

GC-260P60-C

All Black Type



10-year

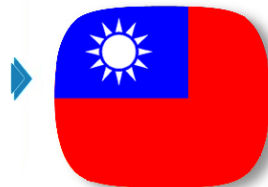
material & workmanship



Headquarter based in Germany, the excellent team providing the world leading quality control, products innovation, sales and after sales support. Let our customers enjoying the European standard solar products at affordable cost. It current has manufacturer in Taiwan, and Japan coming soon.

25-year

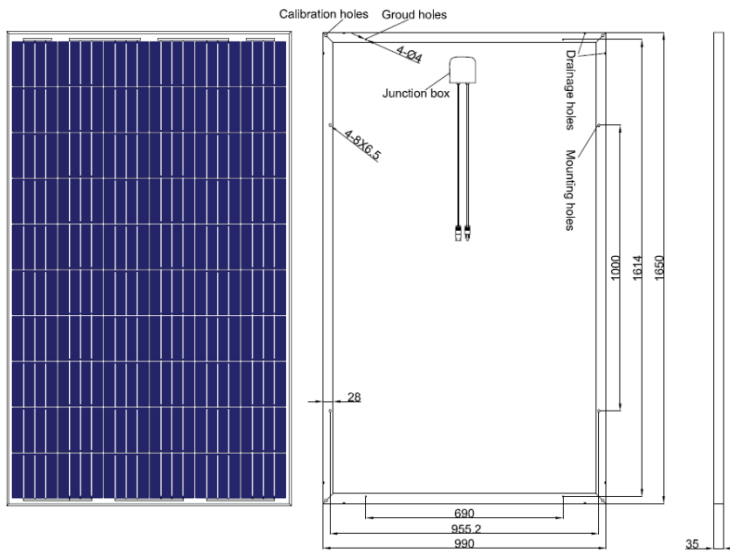
linear power output



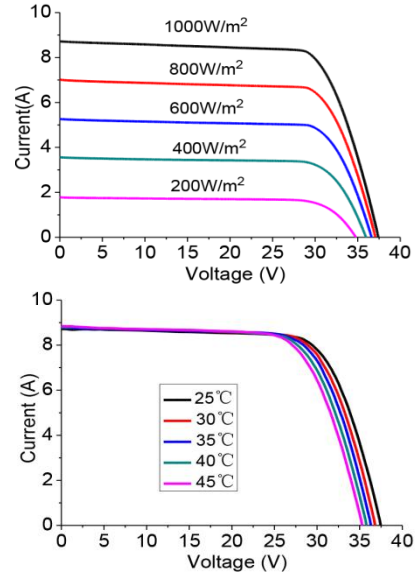
Manufacturing center based in R.O.C, launched in 2006 it's the pioneer solar player and the first factory got TUV certification in Taiwan. Fully automation, leading management, well cost control...al of these let our customer enjoy the best cost-efficient solar products.



### Dimensions



### I-V Curves



### Electrical Characteristics STC

	GC-245P60-C	GC-250P60-C	GC-255P60-C	GC-260P60-C
Maximum Power (Pmax)	245	250	255	260
Maximum Power Voltage (Vmp)	29.92	30.20	30.47	30.74
Maximum Power Current (Imp)	8.19	8.28	8.37	8.46
Open Circuit Voltage (Voc)	37.47	37.72	37.97	38.24
Short Circuit Current (Isc)	8.73	8.81	8.89	8.98
Module Efficiency	15.0	15.3	15.6	15.9
Power Tolerance	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

### Electrical Characteristics NOCT

	GC-245P60-C	GC-250P60-C	GC-255P60-C	GC-260P60-C
Maximum Power (Pmax)	180.00	183.67	187.34	191.02
Maximum Power Voltage (Vmp)	27.29	27.55	27.80	28.04
Maximum Power Current (Imp)	6.60	6.67	6.74	6.8
Open Circuit Voltage (Voc)	34.67	34.90	35.13	35.38
Short Circuit Current (Isc)	7.07	7.14	7.20	7.2

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

### Mechanical Characteristics

Type of cell	156 x156 mm Polycrystalline, 60 (6x10) pcs
Thickness of glass	3.2mm
Type of frame	Anodized aluminum alloy
Junction box	EG-TL-BOX026 (3-diode), IP67 rated
Size of module (mm)	1650*990*35
Weight (kg)	18.6
Cables/connectors	PV1-F,4mm <sup>2</sup> , 900mm, MC4 compatible

### Temperature coefficient

Pmax (%/°C)	-(0.43±0.05)
Isc (%/°C)	0.04±0.015
Voc (%/°C)	-(0.325±0.1)

### Packing Configuration

Pieces per pallet	30	25
Size of packing (mm)	1690*1120*1140	1730*1070*1100
Weight of packing (kg)	600	525
Pieces per container	840	300
Size of container	40' HQ	20GP

### Maximum Ratings

Operating Temperature (°C)	-40~85
Operating Humidity (%)	5~85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s
Mechanical Load (Pa)	5400

### Dealer Information

