



# Green Solar

## GS 60P

### 250 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.  
IEC61215、IEC61730 certified products.

#### Company Profile

Founded in 2010, Green Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Green Solar now distributes its PV products to over 26 countries all over the world. Green Solar is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Green Solar as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Green Solar has lots of product certificates like TUV, CE, GS, ROHS and others, and has passed manufactures quality management certificate like ISO9001. The company is committed to creating maximum value for its customers and partners. Its dedication to producing top quality, high performance products has been reflected in our world-successful stories, and the most extensive customer satisfaction.



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#### KEY FEATURES



##### 5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



##### High Power Output:

Polycrystalline 60-cell module achieves a power output up to 280Wp.



##### PID RESISTANT:

Limited power degradation of our module caused by PID effect is guaranteed under strict testing condition (85°C/85%RH,96hours)for mass production.



##### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



##### Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



##### Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

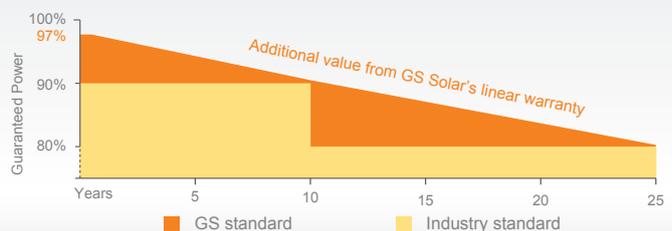


##### Temperature Coefficient:

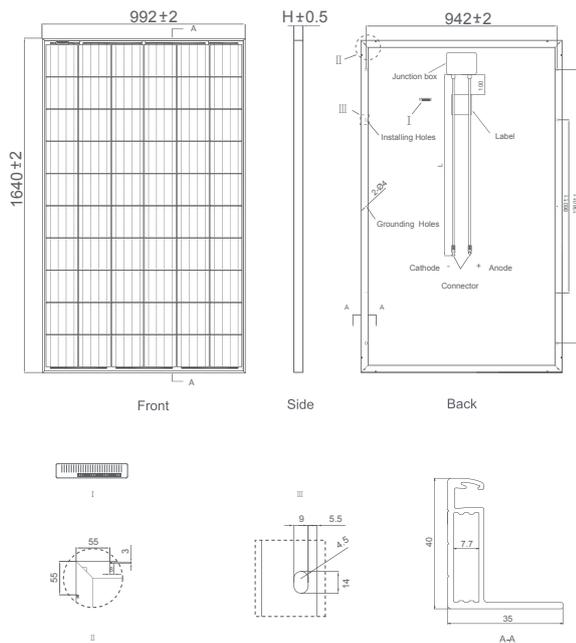
Improved temperature coefficient decreases power loss during high temperatures.

#### LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty · 25 Years Linear Power Warranty



## Engineering Drawings

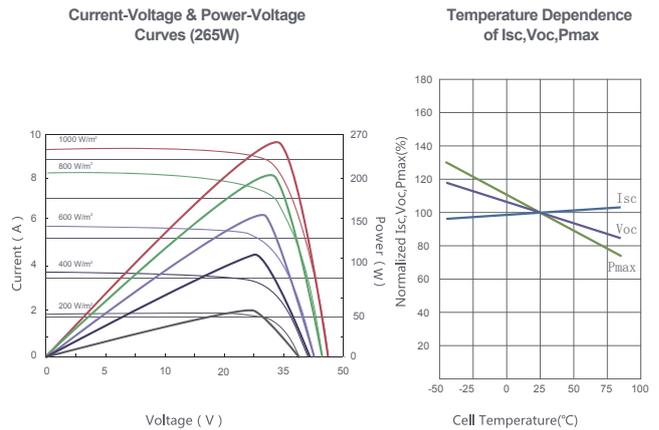


## Packaging Configuration

(Two boxes=One pallet)

26pcs/box, 52pcs/pallet, 728 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | Poly-crystalline 156×156mm (6 inch)   |
| No. of cells  | 60 (6×10)   |
| Dimensions    | 1640×992×40mm (65.00×39.05×1.57 inch)                                       |
| Weight        | 19.0 kg (41.9 lbs)  |
| Front Glass   | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame         | Anodized Aluminium Alloy  |
| Junction Box  | IP67 Rated  |
| Output Cables | TÜV 1×4.0mm <sup>2</sup> , Length: 900mm or Customized Length               |

## SPECIFICATIONS

|   |               |
|---|---------------|
| Module Type                               | GS-250P6      |
|   | STC           |
| Maximum Power (Pmax)                      | 250Wp         |
| Maximum Power Voltage (Vmp)               | 30.6V         |
| Maximum Power Current (Imp)               | 8.171A        |
| Open-circuit Voltage (Voc)                | 36.9V         |
| Short-circuit Current (Isc)               | 9.155A        |
| Module Efficiency STC (%)                 | 15.36%        |
| Operating Temperature(°C)                 | -40°C~+85°C   |
| Maximum system voltage                    | 1000VDC (IEC) |
| Maximum series fuse rating                | 15A           |
| Power tolerance                           | 0~+3%         |
| Temperature coefficients of Pmax          | -0.40%/°C     |
| Temperature coefficients of Voc           | -0.30%/°C     |
| Temperature coefficients of Isc           | 0.06%/°C      |
| Nominal operating cell temperature (NOCT) | 45±2°C        |

\*STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%