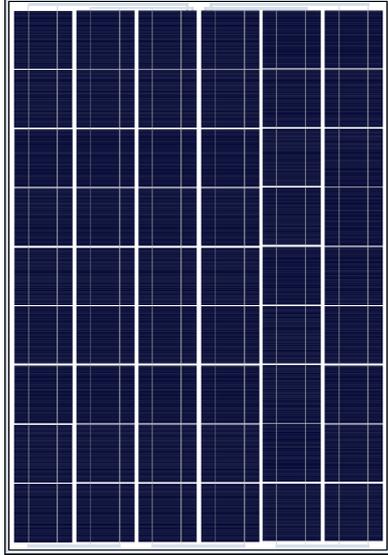


## Standard Module

### GSM6 6 x9 Series 6" Cell Module



#### Features

- 54 presorted high efficient multi-crystalline silicon solar cells.
- Long term stability by quality control and exact tuning of components.
- Sorting limit of module classification to 0/+4.99 Watt.
- TUV mechanical load test certificate upon 5400 Pa.

#### Quality and safety

- 5 years material and workmanship warranty.
- 10 years of 90% and 25 years of 80% power output limited warranty.
- Rigorous quality control meeting the highest international standards: ISO 9001 and ISO 14001.
- Certificated by IEC 61215 & IEC 61730 standard and conformity to CE.



Electrical characteristics under standard test condition (STC) <sup>1</sup>			
Typical power (P <sub>max</sub> ) <sup>2</sup>	205W	210W	215W
Voltage at typical power (V <sub>mp</sub> )	26.82V	27.11V	27.41V
Current at typical power (I <sub>mp</sub> )	7.54A	7.74A	7.85A
Open circuit voltage (V <sub>oc</sub> )	32.50V	32.80V	33.13V
Short circuit current (I <sub>sc</sub> )	8.06A	8.28A	8.38A
Maximum system voltage	1000 V		
Fuse rating	15 A		
Application	DC 24 V system		
System cell	156mm*156mm Multi-crystalline silicon		
No. of cells and connections	54 PCS in series (6 × 9)		

1. STC: AM1.5, 1000 W/m<sup>2</sup>, cell temperature of 25 °C.
2. Power tolerance at maximum power under STC condition = ± 3%.

Parameters of the thermal characteristics	
NOCT (Nominal Operating Cell Temperature)	47±2 °C
Temperature coefficient α of current I <sub>sc</sub>	0.0254 %/°C
Temperature coefficient β of voltage V <sub>oc</sub>	-0.3003 %/°C
Temperature coefficient γ of peak power P <sub>max</sub>	-0.4147 %/°C

Absolute maximum ratings	
Operating temperature	-40 to +85 °C
Storage temperature	-40 to +85 °C

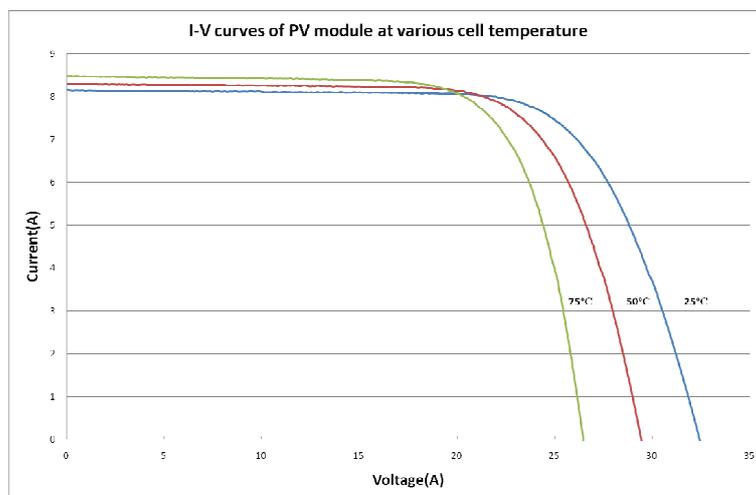
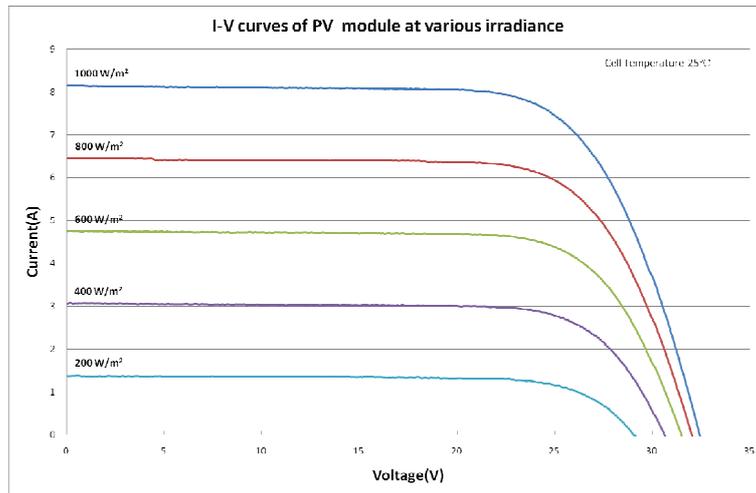
Mechanical characteristics		
Dimension (Length*Width*Thickness)	1494 mm * 992 mm * 40 mm	
Weight	Approx. 17.0 kg	
Packing configuration		
Size of pallet (carton)	1540 mm * 1114 mm *105 mm	
Container size	20 ft.	40 ft.
Pallets per container	14	30
Pieces per container	350	750
Construction	High transmission low-iron tempered glass, 3.2 mm Encapsulates: EVA Frame : Clear anodized aluminum, AL6063-T5	
Junction box	IP65, weatherproof	

Bypass diodes	3 diodes to avoid power decreasing by shade
Output cable	4 mm <sup>2</sup> cable with polarized weatherproof connectors Negative 1000 mm, Positive 1000 mm
Cable extraction force	>400 Newton
Connector	IP67

### Performance at variable irradiance

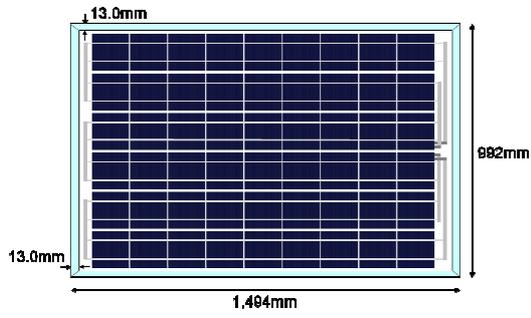
- ☀ Module efficiency at 200 W/m<sup>2</sup>, 25 °C is lower than that at STC by approximately 6.3% (relative).

### I-V curves for 205W Module



## Module dimensions

### Front View



### Side View



### Back View

