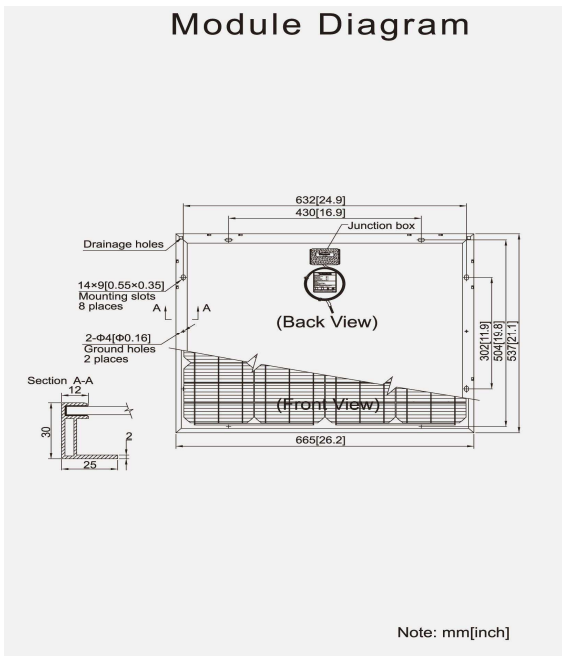


Solar panel

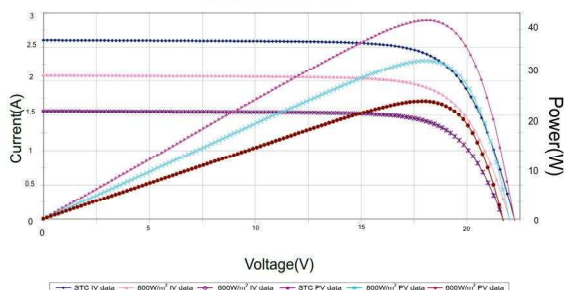
GW-50w-36

Module Diagram



Characteristics

Module IV Graph 40 W



Electrical Characteristics

Specifications

Cell	Monocrystalline silicon solar cells
No. of cells and connections	36(4×9)
Dimension of module	633mm×546mm×35mm
Weight	4.5kg

Temperature Coefficient

NOCT	45°C±2°C
Short-circuit current temperature coefficient	(0.055±0.01) %/K
Open-circuit Voltage temperature coefficient	-(78±10) mV/K
Peak power temperature coefficient	-(0.48±0.05)%/K
Power tolerance	±5%

NOCT: Nominal Operating Cell Temperature(The data is only for reference)

Features and benefits

- High efficiency
- Nominal 12V DC for standard output
- Outstanding low-light performance
- Unique techniques give the panel following features:
 - esthetic appearance, with stands high wind-pressure and snow load, and easy installation
- Unique technology ensure that problems of water freezing and warping do not occur
- 25 year power output warranty

Model	GW-50W-36	GW-40W-36	GW-35W-36
Open-circuit voltage (Voc)	22.2V	21.8V	21.4V
Optimum operating voltage (Vmp)	18V	17.4V	17.2V
Short-circuit current (Isc)	2.8A	2.58A	2.35A
Optimum operating current (Imp)	2.6A	2.3A	2.03A
Maximum power at STC (Pmax)	50Wp	40Wp	35Wp
Operating temperature	-40°C ~ ±85°C	-40°C ~ ±85°C	-40°C ~ ±85°C
Maximum system voltage	715V DC	715V DC	715V DC

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5