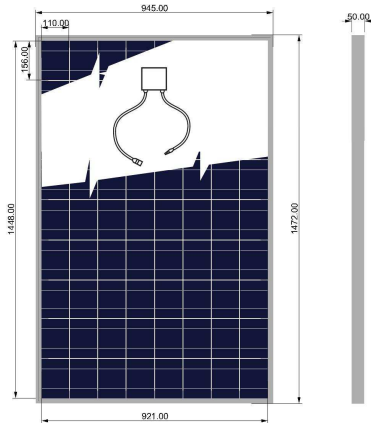


# Solar Module

## GW180D6-72



### Specifications

Cell	Polycrystalline silicon solar cells
No. of cell and connections	72 (8×9)
Dimension of module	1472mm×945mm×50mm
Weight	18.5kg

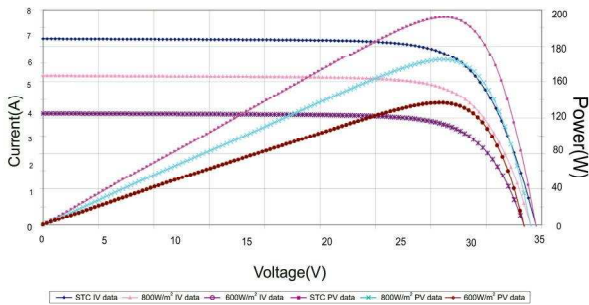
### Temperature Coefficients

NOCT	45°C±2°C
Short-circuit current temperature coefficient	0.017 %/K
Open-circuit voltage temperature coefficient	-0.34%/K
Peak power temperature coefficient	-0.48%/K
Power tolerance	±3%
Cable	900mm/900mm

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

### Characteristics

Module IV Graph 180 W



### Features and Benefits

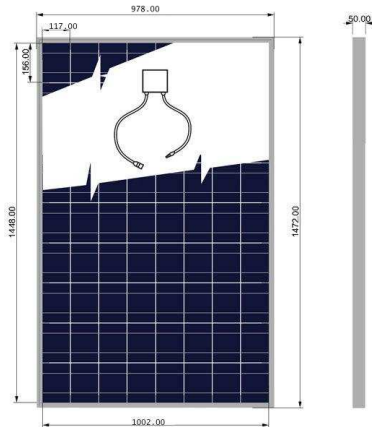
- High efficiency
- Nominal 24V DC for standard output
- Outstanding low-light performance
- Unique techniques give the panel following features: esthetic appearance, with stands high wind-pressure and snow load, and easy installation
- Unique technology ensure that problems of water freezing and warping do not occur
- Design to meet unique demand of customer
- 25 year module output warranty
- CE Certificate (IEC 61215)

### Electrical Characteristics

Model	GW180D6-72
Open-circuit voltage (Voc)	43.2V
Optimum operating voltage (Vmp)	34.4V
Short-circuit current (Isc)	5.45A
Optimum operating current (Imp)	5.23 A
Maximum power at STC (Pmax)	180Wp
Operating temperature	-40°C ~ ±85°C
Maximum system voltage	1000V DC
Module Efficiency	13.1~14.1%

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

# Solar Module GW190D6-72



## Specifications

Cell	Polycrystalline silicon solar cells
No. of cell and connections	72(8×9)
Dimension of module	1472mm×1002mm×50mm
Weight	18kg

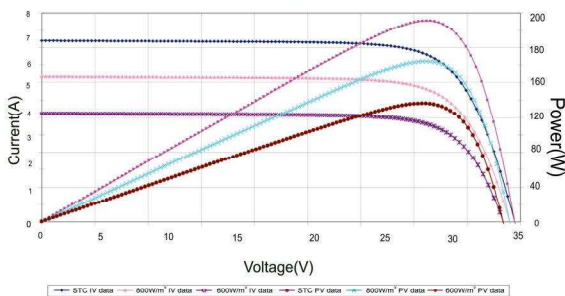
## Temperature Coefficients

NOCT	45°C±2°C
Short-circuit current temperature coefficient	(0.055±0.01) %/K
Open-circuit voltage temperature coefficient	− (0.34±0.01) %/K
Peak power temperature coefficient	− (0.48±0.05) %/K
Power tolerance	±3%

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

## Characteristics

Module IV Graph 190W



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## Features and Benefits

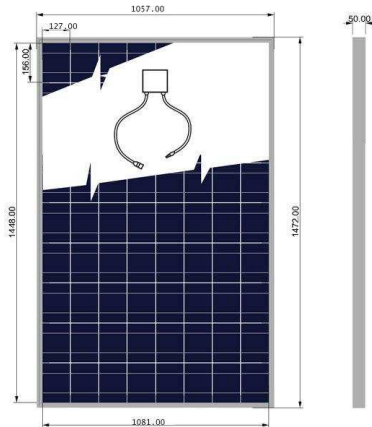
- High efficiency
- Nominal 24V DC for standard output
- Outstanding low-light performance
- Unique techniques give the panel following features:
  - esthetic appearance, with stands high wind-pressure and snow load, and easy installation
- Unique technology ensure that problems of water freezing and warping do not occur
- Design to meet unique demand of customer
- 25 year module output warranty
  - CE (IEC61215)

## Electrical Characteristics

Model	GW-190D6-72
Open-circuit voltage (Voc)	44.26V
Optimum operating voltage (Vpm)	35.1V
Short-circuit current (Isc)	5.6A
Optimum operating current (Ipm)	5.42A
Maximum power at STC (Pmax)	190Wp
Operating temperature	−40°C ~ +85°C
Maximum system voltage	1000V DC

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

# Solar Module GW210D6-72



## Specifications

Cell	Polycrystalline silicon solar cells
No. of cell and connections	72(8×9)
Dimension of module	1472mm×1081mm×50mm
Weight	18kg

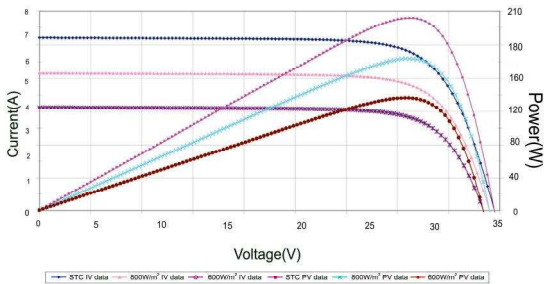
## Temperature Coefficients

NOCT	45°C±2°C
Short-circuit current temperature coefficient	(0.055±0.01) %/K
Open-circuit voltage temperature coefficient	− (0.34±0.01) %/K
Peak power temperature coefficient	− (0.48±0.05) %/K
Power tolerance	±3%

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

## Characteristics

Module IV Graph 210 W



## Features and Benefits

- High efficiency
- Nominal 24V 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
- CE (IEC-61215)
- 25 year module output warranty

## Electrical Characteristics

Model	GW-210s-72	GW-200s-72
Open-circuit voltage (Voc)	44.42V	44.35V
Optimum operating voltage (Vmp)	35.26V	35.23V
Short-circuit current (Isc)	5.888A	5.834A
Optimum operating current (Imp)	5.96A	5.65A
Maximum power at STC (Pmax)	210Wp	200Wp
Operating temperature	−40°C ~ ±85°C	−40°C ~ ±85°C
Maximum system voltage	1000V DC	1000V DC
Efficiency	13.5%~15%	

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5