



## POLYCRYSTALLINE SILICON SOLAR PANELS



Our Solar Photovoltaic (PV) Panels are designed for large on- and off-grid electrical power requirements and offer high performance of power per square foot of solar array. The panels may be used as components of larger systems to generate electricity in both residential and commercial settings

We offer performance guarantees for 25 years with a separate quality guarantee for 10 years, depending on product. All our products have the highest certifications such as TÜV, UL, CE, VDE, ISO

### Product Characteristics:

- 100% EOL inspection, ensuring modules are free from defects
- Cells binned by current to improve module performance
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400pa) and snow loads (5400pa)
- High salt and ammonia resistance
- Tempered glass (toughened glass): Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- Positive power tolerance: 0~+5w
- 10-years 90% of Min. rated output power and 25-years 80% of Min. rated output power warranty
- Quality Product Certifications (TUV, UL, CE, VDE, ISO)



### Manufacturer Characteristics:


- Founded in 1984, the Manufacturer is one of the largest State-Owned Group Corporations of Building & Mechanical Materials.
  - Specialization in Design, Manufacturing, and Distribution of Cement, Composite Materials, New Building Materials, and Green Products, with priority given to Solar and Wind Energy Development Projects.
- Largest comprehensive building materials industry groups in the world, with clients in over 120 countries
- Entered into the "Green" space in 2005. Quickly catapulted to one of top green energy suppliers in world

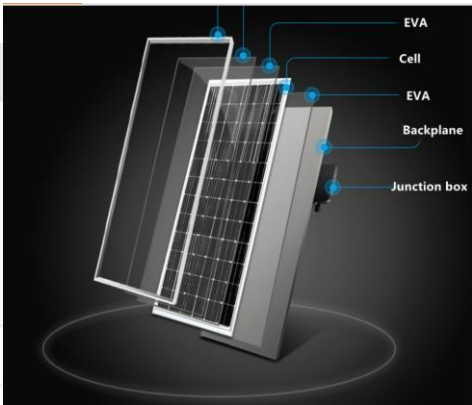


The opto-electrical specifications shown below are stabilized values being measured at Standard Test Conditions of Multicrystalline Silicon Solar Panels. Irradiance: 1000W/m<sup>2</sup>; Spectrum AM1.5 at 25°C. The info below is subject to manufacturing tolerances. Where appropriate minutes of measurement are available and are used for the dimensioning of the installation.



# Polycrystalline Silicon Module 200W-215W

Polycrystalline Silicon Solar Panel 200W-215W					
	● Max Power Voltage Vmp(V)	26.84	27	27.3	27.6
	● Max Power Current Imp(A)	7.45	7.6	7.7	7.8
	● Open Circuit Voltage Voc (V)	32.7	33	33.3	33.8
	● Short Circuit Current Isc(A)	8.16	8.28	8.4	8.5
	● Max Power Pm(W)	200	205	210	215



# Polycrystalline Silicon Module 260W-280W

## Raw Materials and Mechanical Parameters

6P-260 6P-265 6P-270 6P-275 6P-280	
Type of Cells(mm)	poly156.75 × 156.75
NO. of Cells and Connections	6 × 10=60
Dimensions(mm)(L*W*H)	1640 × 992 × 35/40
Weight(kg)	17.9/18.2
Glass	3.2mm Tempered Glass
Encapsulation	EVA
Backsheet	Multilayer Composite
Aluminium-Frame	Silvery/Black Anodized aluminium alloy
Junction-Box	IP67/IP68
Cable	4mm², 900mm
Connector	MC4 and MC4 Compatible
Package Configuration	30/26 pcs/pallet
40GP	840pcs ( 30/PALLET )      728pcs ( 26/PALLET )
40HQ	896pcs ( 30/PALLET )      784pcs ( 26/PALLET )

## Electrical Parameters (Standard Test Condition)

	6P-260	6P-265	6P-270	6P-275	6P-280
Rated Maximum Power(Mp)	260W	265W	270W	275W	280W
Power Tolerance	0- +5W				
Module Efficiency	15.98%	16.29%	16.60%	16.90%	17.21%
Open Circuit Voltage(Voc)	37.9V	38.1V	38.3V	38.6V	38.8V
Maximum Power Voltage(Vmp)	30.7V	30.9V	31.1V	31.3V	31.5V
Short Circuit Current(Isc)	8.98A	9.09A	9.20A	9.31A	9.42A
Maximum Power Current(Imp)	8.47A	8.58A	8.68A	8.79A	8.89A
Temperature Coefficient of Isc	+0.06%				
Temperature Coefficient of Voc	-0.33%				
Temperature Coefficient of Pmp	-0.45%				
Standard Test Condition	Irradiance:1000W/M2,Cell Temperature:25℃,Spectrum AM:1.5				

Maximum System Voltage	1000V
Operating Temperature	-45~+80℃
Maximum Series Fuse	20A
Maximum Static Load,Front Side (e.x. Snow,Wind)	5400PA
Maximum Static Load, Back Side(e.x. Wind)	2400PA
Application Grade	Class A



# Polycrystalline Silicon Module 310W-335W



Polycrystalline Silicon Solar Panel 310W-335W

● Max Power Voltage Vmp(V)	36.7	36.9	37.1	37.3	37.5	37.7
● Max Power Current Imp(A)	8.45	8.54	8.72	8.84	8.89	8.95
● Open Circuit Voltage Voc (V)	46.0	46.2	46.5	46.7	47.0	47.2
● Short Circuit Current Isc(A)	8.95	9.05	9.21	9.33	9.38	9.43
● Max Power Pm(W)	310	315	320	325	330	335

## Raw Materials and Mechanical Parameters

6PA(-HV)-310	6PA(-HV)-315	6PA(-HV)-320	6PA(-HV)-325	6PA(-HV)-330	6PA(-HV)-335
Type of Cells(mm)	poly156.75 × 156.75				
NO. of Cells and Connections	6 × 12=72				
Dimensions(mm)(L*W*H)	1956 × 992 × 40				
Weight(kg)	22.8				
Glass	3.2mm Tempered Glass				
Encapsulation	EVA				
Backsheet	Multilayer Composite				
Aluminium-Frame	Silvery/Black Anodized aluminium alloy				
Junction-Box	IP67/IP68				
Cable	4mm <sup>2</sup> , 900mm				
Connector	MC4 and MC4 Compatible				
Package Configuration	26pcs/pallet				
40GP	624pcs				
40HQ	672pcs				

## Performance Parameters

Maximum System Voltage	1000V
Operating Temperature	-45~+80℃
Maximum Series Fuse	20A
Maximum Static Load, Front Side (e.x. Snow/Wind)	5400PA
Maximum Static Load, Back Side (e.x. Wind)	2400PA
Application Grade	Class A

## Electrical Parameters (Standard Test Condition)

6PA(-HV)-310	6PA(-HV)-315	6PA(-HV)-320	6PA(-HV)-325	6PA(-HV)-330	6PA(-HV)-335	
Rated Maximum Power(Mp)	310W	315W	320W	325W	330W	335W
Power Tolerance	0- + 5W					
Module Efficiency	15.98%	16.23%	16.49%	16.75%	17.01%	17.26%
Open Circuit Voltage(Voc)	46.0V	46.2V	46.5V	46.7V	47.0V	47.2V
Maximum Power Voltage(Vmp)	36.7V	36.9V	37.1V	37.3V	37.5V	37.7V
Short Circuit Current(Isc)	8.95A	9.05A	9.21A	9.33A	9.38A	9.43A
Maximum Power Current(Imp)	8.45A	8.54A	8.72A	8.84A	8.89A	8.95A
Temperature Coefficient of Isc	+0.06%					
Temperature Coefficient of Voc	-0.33%					
Temperature Coefficient of Pmp	-0.45%					

Standard Test Condition Irradiance:1000W/M2, Cell Temperature:25℃, Spectrum AM:1.5

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.





# Polycrystalline Silicon Module 260W-280W

## Raw Materials and Mechanical Parameters

	6P-310	6P-315	6P-320	6P-325	6P-330	6P-335
Type of Cells(mm)	poly156.75 × 156.75					
NO. of Cells and Connections	6 × 12=72					
Dimensions(mm)(L*W*H)	1956 × 992 × 40					
Weight(kg)	22.8					
Glass	3.2mm Tempered Glass					
Encapsulation	EVA					
Backsheet	Multilayer Composite					
Aluminium-Frame	Silvery/Black Anodized aluminium alloy					
Junction-Box	IP67/IP68					
Cable	4mm <sup>2</sup> PV1-F					
Connector	MC4					

## Performance Parameters

	6PA(-HV)-310	6PA(-HV)-315	6PA(-HV)-320	6PA(-HV)-325	6PA(-HV)-330	6PA(-HV)-335
Package Configuration	Maximum System Voltage				1500V	
40GP	Operating Temperature				-45~+80℃	
40HQ	Maximum Series Fuse				20A	
	Maximum Static Load,Front Side (e.x. Snow,Wind)				5400PA	
	Maximum Static Load, Back Side(e.x. Wind)				2400PA	
	Application Grade				Class A	

## Electrical Parameters (Standard Test Condition)

	6P-310	6P-315	6P-320	6P-325	6P-330	6P-335
Rated Maximum Power(Mp)	310W	315W	320W	325W	330W	335W
Power Tolerance	0- + 5W					
Module Efficiency	15.98%	16.23%	16.49%	16.75%	17.01%	17.26%
Open Circuit Voltage(Voc)	46.0V	46.2V	46.5V	46.7V	47.0V	47.2V
Maximum Power Voltage(Vmp)	36.7V	36.9V	37.1V	37.3V	37.5V	37.7V
Short Circuit Current(Isc)	8.95A	9.05A	9.21A	9.33A	9.38A	9.43A
Maximum Power Current(Imp)	8.45A	8.54A	8.72A	8.84A	8.89A	8.95A
Temperature Coefficient of Isc	+0.06%					
Temperature Coefficient of Voc	-0.33%					
Temperature Coefficient of Pmp	-0.45%					
Standard Test Condition	Irradiance:1000W/M2,Cell Temperature:25℃,Spectrum AM:1.5					

The Electrical Parameters of the module are the average theory figure under the standard test condition each one exists difference. Can not be treated as the basis of module delivery.