

# Paneles **solares** monocristalinos y policristalinos



- Diseño avanzado con alto rendimiento, eficiencia y duración
- Producción automatizada con 100% control de calidad.
- Resistencia a vientos, nieve, peso, agua salina y amoníaco
- Clase A, Clase II de seguridad, Grado A contra fuego
- Certificados ISO9001, ISO14001, OHSAS18001.

Premium Series

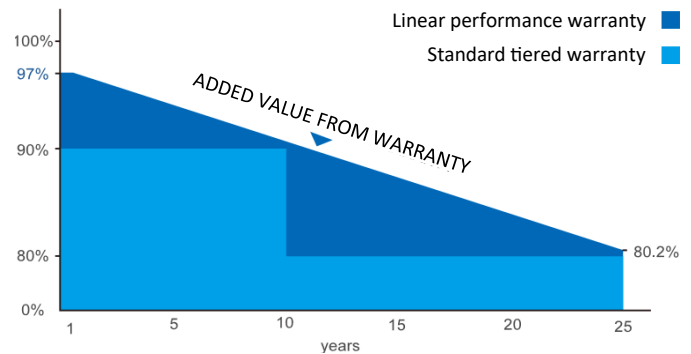
# Monocrystalline PV Panel

- 260Wp
- 265Wp
- 270Wp
- 275Wp
- 280Wp
- 310Wp
- 315Wp
- 320Wp
- 325Wp
- 330Wp



## Key Features

- **High-yield modules with high level of efficiency:**  
Automatic cell and module production with 100% quality control and product trace-ability.  
0 to +3% of positive power tolerance guaranteed  
PID free (Potential Induced Degradation).
- **Heavy load mechanical resistance:**  
TUV certified (5400Pa tested against snow and 2400Pa against wind).
- **The production system is ISO9001, ISO14001, OHSAS18001 certified.**
- **Fire Test Approved:**  
Application Class A, Safety Class II, Fire rating A
- **High salt mist and ammonia resistance**
- **Enhanced design for easy installation and long-term reliability**

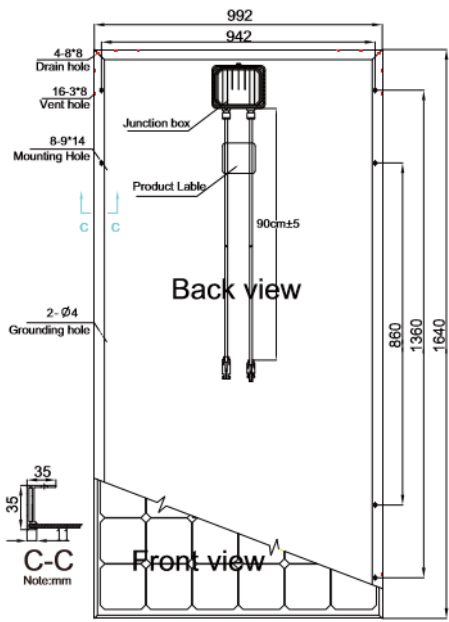


## Typical electrical characteristics

Characteristics	260WP	265WP	270WP	275WP	280WP
Max.Power(Pmax)	260Wp	265Wp	270Wp	275Wp	280Wp
Optimum Operating Voltage(Vm)	31.20V	31.78V	32.38V	32.98V	33.34V
Optimum Operating Current(I <sub>m</sub> )	8.34A	8.34A	8.34A	8.34A	8.40A
Open-circuit Voltage(V <sub>oc</sub> )	38.82V	38.98V	39.12V	39.28V	39.67V
Short-circuit Current(I <sub>sc</sub> )	8.71A	8.83A	8.90A	8.92A	9.05A
Cell Efficiency	18.10%	18.48%	18.83%	19.20%	19.53%
Module efficiency	15.98%	16.29%	16.60%	16.90%	17.21%

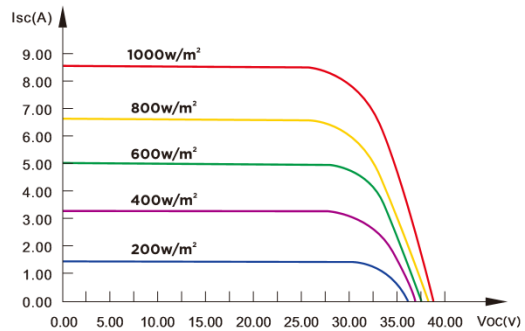
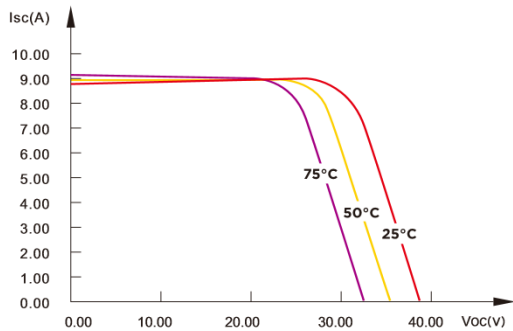
STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5

NOTC: Irradiance 800W/m<sup>2</sup>, ambient Temperature 20°C, wind speed 1m/s



Solar Cell	Mono-crystalline 156*156mm
Output Tolerance(Pmax)	0 ~ +3%
Number of cells	60 cells in series
Module Dimension	1640*992*35mm
Weight	18.80kg
Max.System Voltage	1000V(TUV)/600V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3/6
Temperature cycling range	(-40 ~ 85 °C )
NOCT	47°C ±2°C
Temperature coefficients of I <sub>sc</sub>	+0.053%/K
Temperature coefficients of V <sub>oc</sub>	-0.35%/K
Temperature coefficients of P <sub>max</sub>	-0.40%/K
Load Capacity	394pcs/20'GP
	896pcs/40'HQ

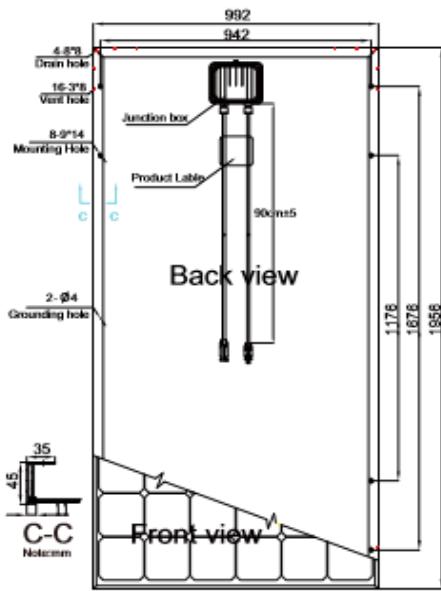
Curves of PV module 260W at various cell temperatures



## Typical electrical characteristics

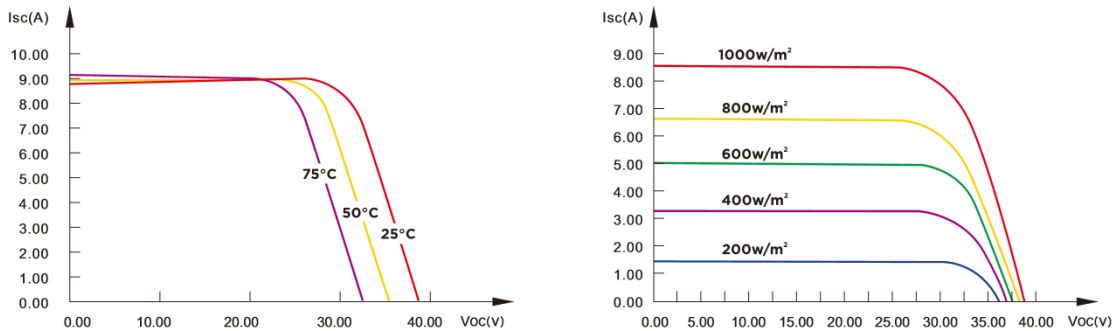
Characteristics	310WP	315WP	320WP	325WP	330WP
Max.Power(Pmax)	310Wp	315Wp	320Wp	325Wp	330Wp
Optimum Operating Voltage(Vm)	37.62V	37.88V	38.33V	38.93V	39.29V
Optimum Operating Current(I <sub>m</sub> )	8.25A	8.32A	8.35A	8.35A	8.40A
Open-circuit Voltage(Voc)	45.12V	45.22V	45.55V	45.99V	46.35V
Short-circuit Current(Isc)	8.82A	8.93A	8.95A	8.95A	9.05A
Cell Efficiency	18.00%	18.30%	18.60%	18.90%	19.20%
Module efficiency	15.98%	16.30%	16.50%	16.75%	17.00%

STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5



Solar Cell	Mono-crystalline 156*156mm
Output Tolerance(Pmax)	0 ~ +3%
Number of cells	72 cells in series
Module Dimension	1956*992*45mm
Weight	23.00kg
Max.System Voltage	1000V(TUV)/1000V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3/6
Temperature cycling range	(-40 ~ 85 °C )
NOCT	47°C ±2°C
Temperature coefficients of I <sub>sc</sub>	+0.46%/K
Temperature coefficients of V <sub>oc</sub>	-0.303%/K
Temperature coefficients of P <sub>max</sub>	-0.41%/K
Load Capacity	230pcs/20'GP
	600pcs/40'HQ

Curves of PV module 260W at various cell temperatures



# Polycrystalline PV Panel

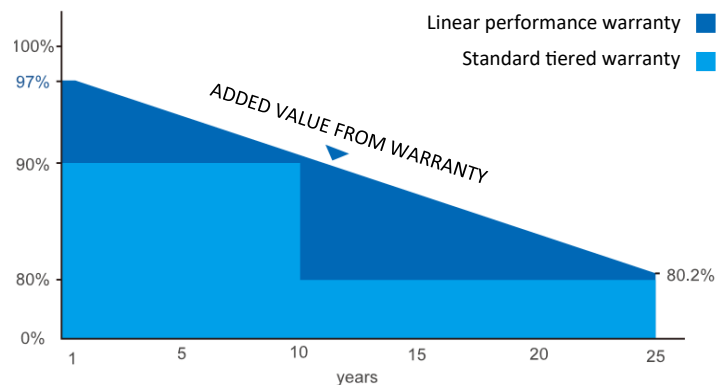
Premium Series

- 250Wp
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- 330Wp



## Key Features

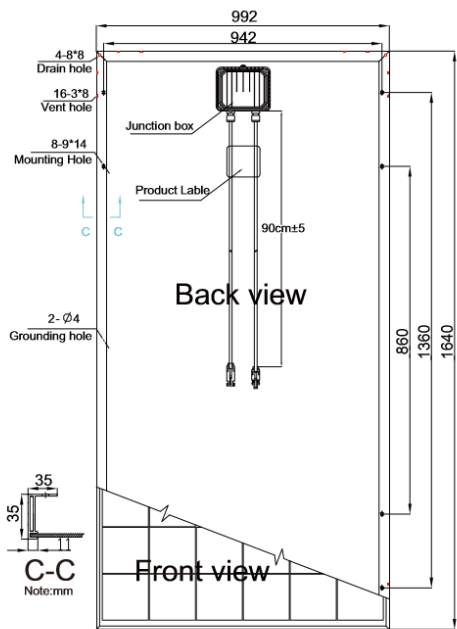
- High-yield modules with high level of efficiency:**  
 Automatic cell and module production with 100% quality control and product trace-ability.  
 0 to +3% of positive power tolerance guaranteed  
 PID free (Potential Induced Degradation).
- Heavy load mechanical resistance:**  
 TUV certified (5400Pa tested against snow and 2400Pa against wind).
- The production system is ISO9001, ISO14001, OHSAS18001 certified.**
- Fire Test Approved:**  
 Application Class A, Safety Class II, Fire rating A
- High salt mist and ammonia resistance**
- Enhanced design for easy installation and long-term reliability**



## Typical electrical characteristics

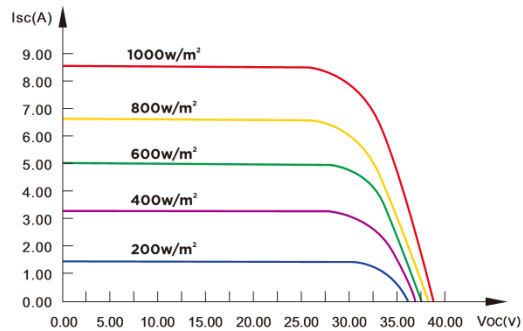
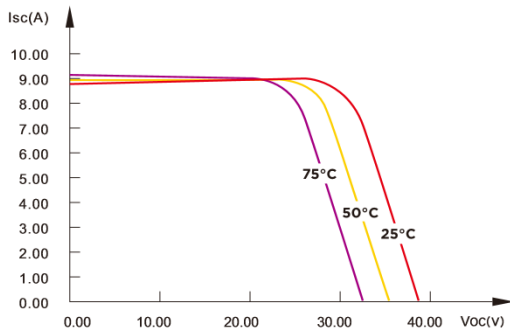
Characteristics	250WP	260WP	265WP	270WP
Max.Power(Pmax)	250Wp	260Wp	265Wp	270Wp
Optimum Operating Voltage(Vm)	30.76V	31.91V	32.52V	32.87V
Optimum Operating Current(Im)	8.13A	8.15A	8.15A	8.22A
Open-circuit Voltage(Voc)	37.75V	39.10V	39.64V	39.92V
Short-circuit Current(Isc)	8.55A	8.56A	8.56A	8.62A
Cell Efficiency	17.40%	18.10%	18.48%	18.83%
Module efficiency	15.37%	15.98%	16.29%	16.60%

STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5



Solar Cell	Poly-crystalline 156*156mm
Output Tolerance(Pmax)	0 ~ +3%
Number of cells	60 cells in series
Module Dimension	1640*992*35mm
Weight	18.80kg
Max.System Voltage	1000V(TUV)/1000V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3/6
Temperature cycling range	(-40 ~ 85 °C )
NOCT	47°C ±2°C
Temperature coefficients of Isc	+0.46%/K
Temperature coefficients of Voc	-0.303%/K
Temperature coefficients of Pmax	-0.41%/K
Load Capacity	394pcs/20'GP
	896pcs/40'HQ

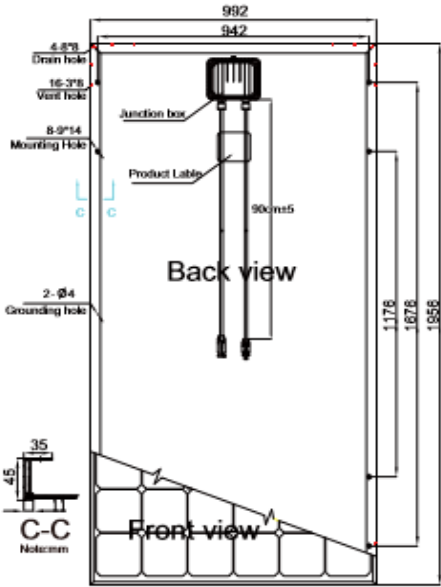
Curves of PV module 270W at various cell temperatures



## Typical electrical characteristics

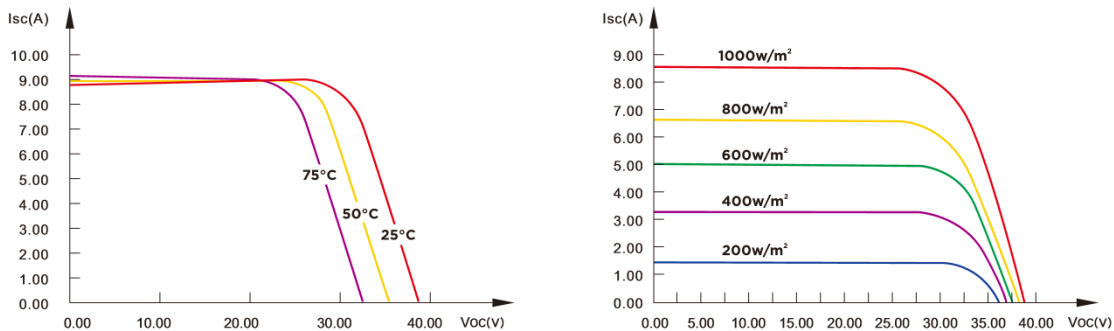
Characteristics	310WP	315WP	320WP	325WP	330WP
Max.Power(Pmax)	310Wp	315Wp	320Wp	325Wp	330Wp
Optimum Operating Voltage(Vm)	37.62V	37.88V	38.33V	38.93V	39.29V
Optimum Operating Current(I <sub>m</sub> )	8.25A	8.32A	8.35A	8.35A	8.40A
Open-circuit Voltage(V <sub>oc</sub> )	45.12V	45.22V	45.55V	45.99V	46.35V
Short-circuit Current(I <sub>sc</sub> )	8.82A	8.93A	8.95A	8.95A	9.05A
Cell Efficiency	18.00%	18.30%	18.60%	18.90%	19.20%
Module efficiency	15.98%	16.30%	16.50%	16.75%	17.00%

STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM=1.5



Solar Cell	Mono-crystalline 156*156mm
Output Tolerance(P <sub>max</sub> )	0 ~ +3%
Number of cells	72 cells in series
Module Dimension	1956*992*45mm
Weight	23.00kg
Max.System Voltage	1000V(TUV)/1000V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3/6
Temperature cycling range	(-40 ~ 85 °C )
NOCT	47°C ±2°C
Temperature coefficients of I <sub>sc</sub>	+0.46%/K
Temperature coefficients of V <sub>oc</sub>	-0.303%/K
Temperature coefficients of P <sub>max</sub>	-0.41%/K
Load Capacity	230pcs/20'GP
	600pcs/40'HQ

Curves of PV module 260W at various cell temperatures



# EMPAQUE Y ENVÍOS

Envíos directos de fábrica por vía marítima o aérea una vez obtenidos los documentación de exportación y realizados los trámites de embarque, seguros, etc. En caso de tratarse de mercadería frágil, si así lo requiere el cliente se brinda también el servicio de reempaque en armazones de madera.



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