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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Shandong Dahai New Energy Development Co., Ltd.**

**DHP72 315-335**

**DHP72-320**

Also available on the web at  
[EnergyPal.com/shandong-dahai-new-energy-development-co-ltd-solar-panels/dhp72-320](http://EnergyPal.com/shandong-dahai-new-energy-development-co-ltd-solar-panels/dhp72-320)

# DHP60 260-280W

## Poly-crystalline PV Module

Poly 60 cells

### Dahai Solar









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### First-class warranty

-  **12 years product material and process warranty**
-  **25-year linear power output warranty**

### Product Characteristics

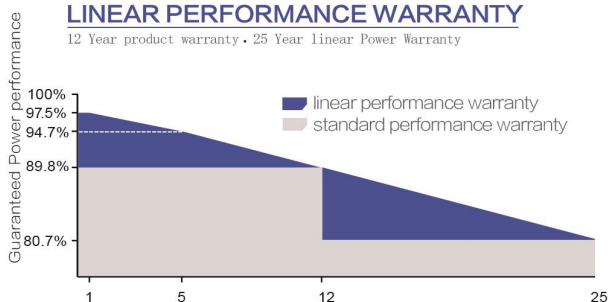
-  Excellent space utilization. The maximum power is up to 280 watts. Power density is 172 watts / square meter.
-  High power output . The highest efficiency of module can reach 17.21%.
-  The use of anti-reflective glass increases the absorption of light, while the modules in the rain environment have a self-cleaning function, effectively reducing the power loss caused by dust.
-  Excellent weak light power generation performance.
-  The modules are resistant to pressure and can withstand wind pressures of 2,400 Pa and snow pressures of 5,400 Pa.
-  3% Positive power tolerance (0~+5w)guaranteed
-  Manufactured according to The International Quality Management System ISO 9001 and the international environmental quality management system ISO 14001.
-  Passed the PID certification test under strict conditions

- IEC 61215, IEC 61730
- TUV
- UL1703
- CQC
- CE
- JET
- ISO 9001: 2008
- ISO 14001:2004



### LINEAR PERFORMANCE WARRANTY

12 Year product warranty · 25 Year Linear Power Warranty



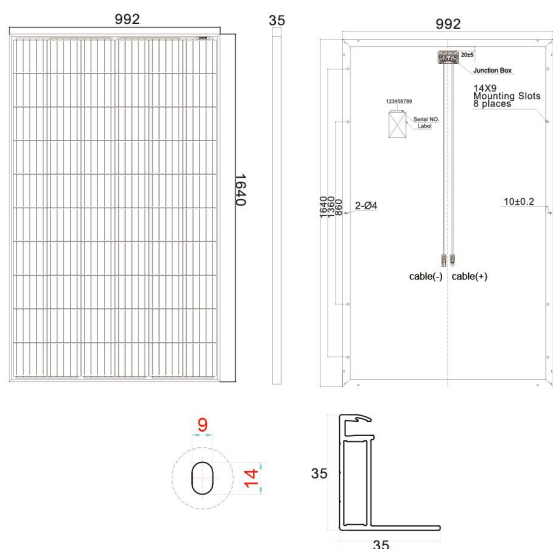
### Packing configuration

	1640×992×35mm		1956×992×40mm	
	20'GP	40'HQ	20'GP	40'HQ
Container				
Pieces per Pallet	30	30	26	26
Pallets per Container	12	28	12	24
Pieces per Container	360	840	312	624

# DHP60

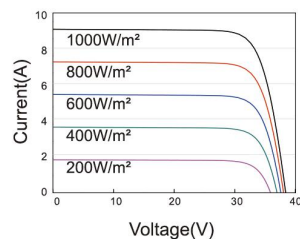
260-280W

## Engineering Drawings

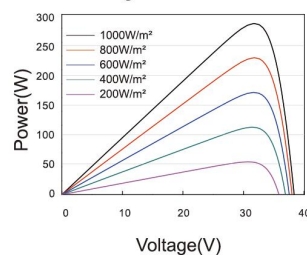


## I-V Curve

Current-Voltage Curve DHP60-270



Power-Voltage Curve DHP60-270



## Mechanical Data

Cell Type	Poly-crystalline 156.75x156.75mm
Weight	18.5kg
Dimensions	1640x992x35mm
No. of cells	60(6x10)
No. of Diodes	3
Junction Box Connector	MC4 Compatible Connector
Packaging Configuration	30pcs/pallet, 840pcs/40'HQ
Cable Cross Section	4mm <sup>2</sup>

## Working Parameters

Maximum System Voltage	1000V (TUV)/1000V DC(UL)
Operating Temperature	-40°C~~+85°C
Maximum Fuse Rated Current	15A
Maximum Static Load, Positive	5400Pa(112ib/ft <sup>2</sup> )
Maximum Static Load, Back	2400Pa(50ib/ft <sup>2</sup> )
Rated Cells Operating Temperature	45±2°C
Application Level	ClassA

## Electrical Performance Parameter

Module Type	DHP60-260	DHP60-265	DHP60-270	DHP60-275	DHP60-280
Maximum Power(Pmax)	260	265	270	275	280
Maximum Power Voltage(Vmp)	30.55	30.89	31.21	31.54	31.88
Maximum Power Current(Imp)	8.52	8.59	8.66	8.72	8.78
Open-circuit Voltage (Voc)	37.98	38.14	38.30	38.46	38.85
Short-circuit Current(Isc)	9.04	9.10	9.16	9.22	9.33
Module Efficiency(%)	15.98	16.29	16.60	16.90	17.21
Power Tolerance(w)	0~+5	0~+5	0~+5	0~+5	0~+5
Standard Test Environment	Radiation 1000W / m <sup>2</sup> , Module Temperature 25 °C, Spectrum AM1.5, According to EN60904-3				

# DHP72 315-335W

## Poly-crystalline PV Module

Poly 72 cells

### Dahai Solar









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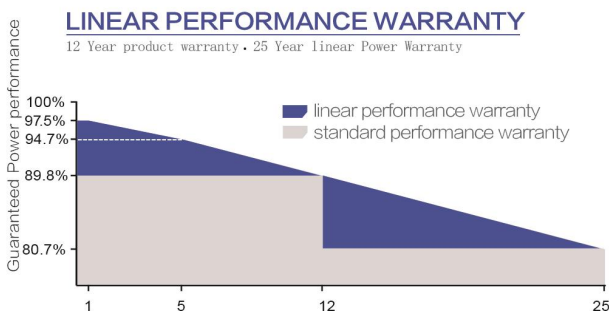
### First-class warranty

-  **12 years product material and process warranty**
-  **25-year linear power output warranty**

## Product Characteristics

-  Excellent space utilization. The maximum power is up to 335 watts. Power density is 172 watts / square meter.
-  High power output . The highest efficiency of module can reach 17.26%.
-  The use of anti-reflective glass increases the absorption of light, while the modules in the rain environment have a self-cleaning function, effectively reducing the power loss caused by dust.
-  Excellent weak light power generation performance.
-  The modules are resistant to pressure and can withstand wind pressures of 2,400 Pa and snow pressures of 5,400 Pa.
-  Ensure that the output tolerance of the module is 0 – +5W.
-  Manufactured according to The International Quality Management System ISO 9001 and the international environmental quality management system ISO 14001.
-  Passed the PID certification test under severe conditions

- IEC 61215, IEC 61730
- TÜV
- UL1703
- CQC
- CE
- JET
- ISO 9001: 2008
- ISO 14001:2004



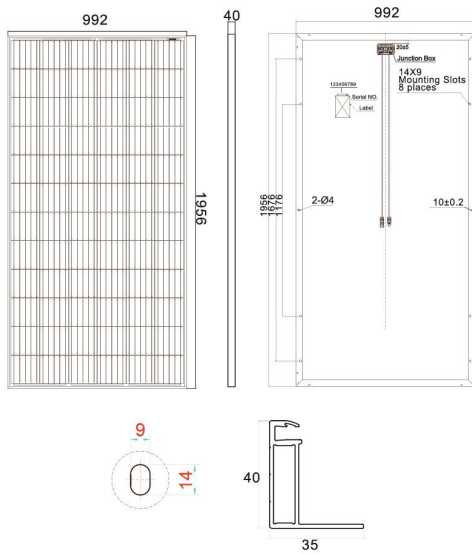
### Packing configuration

	1640×992×35mm		1956×992×40mm	
	20'GP	40'HQ	20'GP	40'HQ
Container	20'GP	40'HQ	20'GP	40'HQ
Pieces per Pallet	30	30	26	26
Pallets per Container	12	28	12	24
Pieces per Container	360	840	312	624

# DHP72

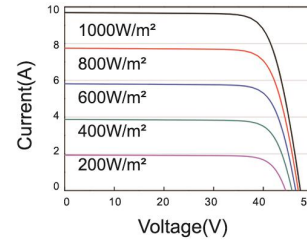
## 315-335W

### Engineering Drawings

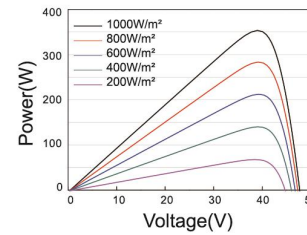


### I-V Curve

Current-Voltage Curve DHP72-325



Power-Voltage Curve DHP72-325



### Mechanical Data

Cell Type	Poly-crystalline 156.75*156.75mm
Weight	22.5kg
Dimensions	1956*992*40mm
No. of cells	72(6*12)
No. of Diodes	3
Junction Box Connector	MC4 Compatible Connector
Packaging Configuration	26pcs/pallet, 624pcs/40'HQ
Cable Cross Section	4mm <sup>2</sup>

### Working Parameters

Maximum System Voltage	1000V (TUV)/1000V DC(UL)
Operating Temperature	-40°C~+85°C
Maximum Fuse Rated Current	15A
Maximum Static Load, Positive	5400Pa(112ib/ft <sup>2</sup> )
Maximum Static Load, Back	2400Pa(50ib/ft <sup>2</sup> )
Rated Cells Operating Temperature	45±2°C
Application Level	ClassA

### Electrical Performance Parameter

Module Type	DHP72-315	DHP72-320	DHP72-325	DHP72-330	DHP72-335
Maximum Power(Pmax)	315	320	325	330	335
Maximum Power Voltage(Vmp)	37.19	37.38	37.49	37.59	37.69
Maximum Power Current(Imp)	8.47	8.56	8.67	8.78	8.89
Open-circuit Voltage (Voc)	45.95	46.22	46.48	46.74	47.00
Short-circuit Current(Isc)	8.98	9.06	9.14	9.22	9.30
Module Efficiency(%)	16.23	16.49	16.75	17.00	17.26
Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5
Standard Test Environment	Radiation 1000W / m <sup>2</sup> ; Module Temperature 25°C, Spectrum AM1.5, According to EN60904-3				

## Mono-crystalline PV Module

Mono 60 cells

### Dahai Solar

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### First-class warranty

- 12 years product material and process warranty
- 25-year linear power output warranty

## Product Characteristics

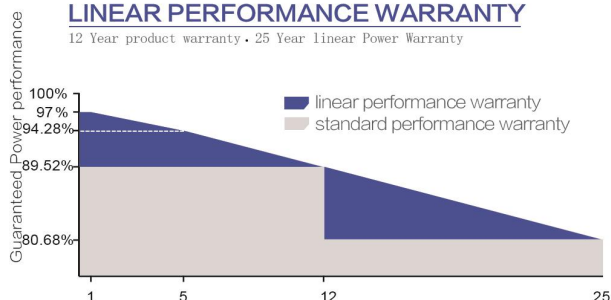
- Excellent space utilization. The maximum power is up to 315 watts. Power density is 184 watts / square meter.
- High power output . The highest efficiency of module can reach 19.36%.
- The use of anti-reflective glass increases the absorption of light, while the modules in the rain environment have a self-cleaning function, effectively reducing the power loss caused by dust.
- Excellent weak light power generation performance.
- The modules are resistant to pressure and can withstand wind pressures of 2,400 Pa and snow pressures of 5,400 Pa.
- 3% Positive power tolerance (0~+5w)guaranteed
- Manufactured according to The International Quality Management System ISO 9001 and the international environmental quality management system ISO 14001.
- Passed the PID certification test under strict conditions

- IEC 61215, IEC 61730
- TUV
- UL1703
- CQC
- CE
- JET
- ISO 9001: 2008
- ISO 14001:2004



### LINEAR PERFORMANCE WARRANTY

12 Year product warranty · 25 Year Linear Power Warranty

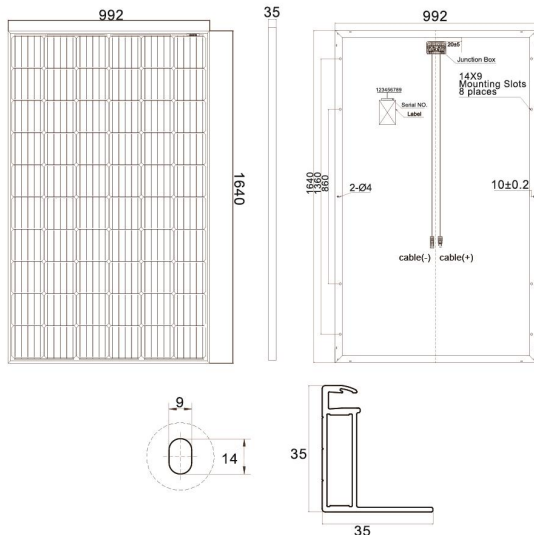


### Packing configuration

	1640×992×35mm		1956×992×40mm	
	20'GP	40'HQ	20'GP	40'HQ
Container				
Pieces per Pallet	30	30	26	26
Pallets per Container	12	28	12	24
Pieces per Container	360	840	312	624

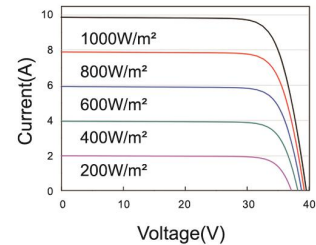
# DHM60 285-315W

## Engineering Drawings

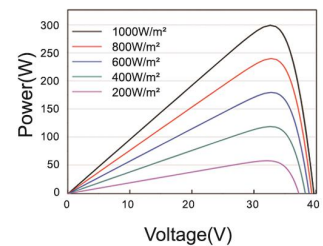


## I-V Curve

Current-Voltage Curve DHM60-310



Power-Voltage Curve DHM60-310



## Mechanical Data

Cell Type	Mono-crystalline 156.75x156.75mm
Weight	18.5kg
Dimensions	1640x992x35mm
No. of cells	60(6x10)
No. of Diodes	3
Junction Box Connector	MC4 Compatible Connector
Packaging Configuration	30pcs/pallet, 840pcs/40'HQ
Cable Cross Section	4mm <sup>2</sup>

## Working Parameters

Maximum System Voltage	1000V (TUV)/1000V DC(UL)
Operating Temperature	-40°C~~+85°C
Maximum Fuse Rated Current	15A
Maximum Static Load, Positive	5400Pa(112ib/ft <sup>2</sup> )
Maximum Static Load, Back	2400Pa(50ib/ft <sup>2</sup> )
Rated Cells Operating Temperature	45±2°C
Application Level	ClassA

## Electrical Performance Parameter

Module Type	DHM60-285	DHM60-290	DHM60-300	DHM60-305	DHM60-310	DHM60-315
Maximum Power(Pmax)	285	290	300	305	310	315
Maximum Power Voltage(Vmp)	31.28	31.59	32.18	32.48	32.76	33.05
Maximum Power Current(Imp)	9.11	9.18	9.32	9.39	9.46	9.53
Open-circuit Voltage (Voc)	38.83	39.19	39.86	40.21	40.53	40.86
Short-circuit Current(Isc)	9.53	9.61	9.77	9.85	9.93	10.01
Module Efficiency (%)	17.52	17.82	18.44	18.75	19.05	19.36
Power Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5
Standard Test Environment	Radiation 1000W / m <sup>2</sup> Module Temperature 25℃, Spectrum AM1.5, According to EN60904-3					

# DHM72 330-375W

## Mono-crystalline PV Module

Mono 72 cells

### Dahai Solar









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### First-class warranty

-  **12 years product material and process warranty**
-  **25-year linear power output warranty**

## Product Characteristics

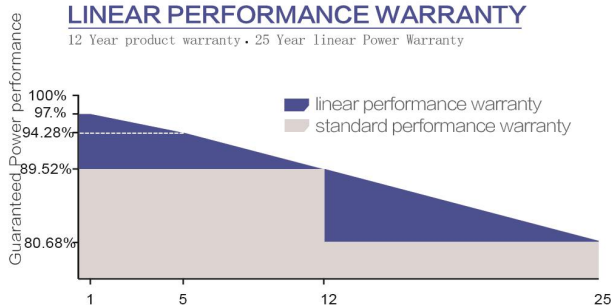
-  Excellent space utilization. The maximum power is up to 375 watts. Power density is 190 watts / square meter.
-  High power output . The highest efficiency of module can reach 19.33%.
-  The use of anti-reflective glass increases the absorption of light, while the modules in the rain environment have a self-cleaning function, effectively reducing the power loss caused by dust.
-  Excellent weak light power generation performance.
-  The modules are resistant to pressure and can withstand wind pressures of 2,400 Pa and snow pressures of 5,400 Pa.
-  3% Positive power tolerance (0~+5w)guaranteed
-  Manufactured according to The International Quality Management System ISO 9001 and the international environmental quality management system ISO 14001.
-  Passed the PID certification test under strict conditions

- IEC 61215, IEC 61730
- TUV
- UL1703
- CQC
- CE
- JET
- ISO 9001: 2008
- ISO 14001:2004



### LINEAR PERFORMANCE WARRANTY

12 Year product warranty · 25 Year Linear Power Warranty



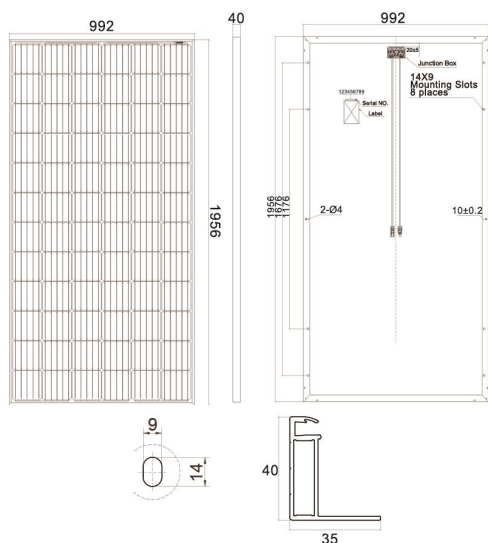
### Packing configuration

	1640 × 992 × 35mm		1956 × 992 × 40mm	
	20'GP	40'HQ	20'GP	40'HQ
Container				
Pieces per Pallet	30	30	26	26
Pallets per Container	12	28	12	24
Pieces per Container	360	840	312	624



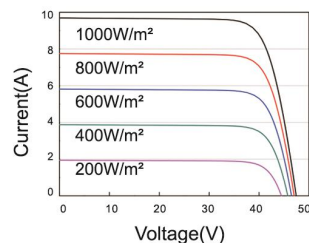
# DHM72 330-375W

## Engineering Drawings

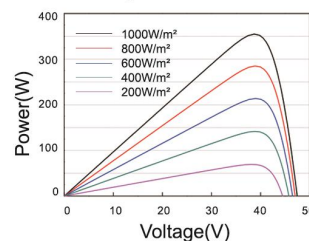


## I-V Curve

Current-Voltage Curve DHM72-355



Power-Voltage Curve DHM72-355



## Mechanical Data

Cell Type	Mono-crystalline 156.75X156.75mm
Weight	22.5kg
Dimensions	1956X992X40mm
No. of cells	72(6X12)
No. of Diodes	3
Junction Box Connector	MC4 Compatible Connector
Packaging Configuration	26pcs/pallet, 624pcs/40'HQ
Cable Cross Section	4mm <sup>2</sup>

## Working Parameters

Maximum System Voltage	1000V (TUV)/1000V DC(UL)
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rated Current	15A
Maximum Static Load, Positive	5400Pa(112ib/ft <sup>2</sup> )
Maximum Static Load, Back	2400Pa(50ib/ft <sup>2</sup> )
Rated Cells Operating Temperature	45±2°C
Application Level	Class A

## Electrical Performance Parameter

Module Type	DHM72~330	DHM72~335	DHM72~340	DHM72~345	DHM72~350	DHM72~360	DHM72~365	DHM72~370	DHM72~375
Maximum Power(Pmax)	330	335	340	345	350	360	365	370	375
Maximum Power Voltage(Vmp)	38.60	38.68	38.86	38.94	39.02	39.18	39.26	39.34	39.72
Maximum Power Current(Imp)	8.55	8.66	8.75	8.86	8.97	9.19	9.30	9.41	9.44
Open-circuit Voltage (Voc)	47.13	47.28	47.45	47.60	47.75	48.05	48.20	48.35	48.75
Short-circuit Current(Isc)	9.14	9.23	9.31	9.40	9.49	9.76	9.76	9.85	9.86
Module Efficiency(%)	17.01	17.26	17.52	17.78	18.04	18.55	18.81	19.07	19.33
Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5
Standard Test Environment	Radiation 1000W / m <sup>2</sup> ; Module Temperature 25°C, Spectrum AM1.5, According to EN60904-3								