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# **EnergyPal**

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

**Changzhou Hershey-Power New Energy Co., Ltd.**

**HS-P/PB-72 325-390W**


**HS72-P-325**

Also available on the web at  
[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs72-p-325](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs72-p-325)


# HS72-P-[325-390W]

## POLY-CRYSTALLINE MODULE




-  Industry leading lowest thermal co-efficient of power


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-  Industry leading 12 years product warranty


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-  Excellent low irradiance performance


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-  Excellent PID resistance


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-  Positive tight power tolerance


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-  Dual stage 100% EL Inspection warranting defect-free product


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-  Module Imp binning radically reduces string mismatch losses

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-  Warranted reliability and stringent quality assurances well beyond certified requirements

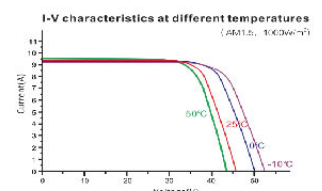
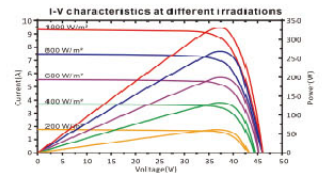
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-  Certified to withstand severe environmental conditions
  - ◆ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
  - ◆ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
  - ◆ Excellent mechanical load 2400Pa & snow load 5400Pa resistance

### ELECTRICAL DATA (STC)

Model Number	HS72-P-325	HS72-P-330	HS72-P-335	HS72-P-340	HS72-P-345	HS72-P-375	HS72-P-380	HS72-P-385	HS72-P-390
Rated Power in Watts-Pmax(Wp)	325	330	335	340	345	375	380	385	390
Open Circuit Voltage-Voc(V)	45.5	45.7	45.9	46.1	46.3	48.60	48.95	49.35	49.70
Short Circuit Current-Isc(A)	9.2	9.3	9.4	9.5	9.6	9.95	10.00	10.05	10.10
Maximum Power Voltage-Vmpp(V)	37.4	37.55	37.65	37.8	37.95	39.95	40.25	40.55	40.85
Maximum Power Current-Imp(A)	8.7	8.8	8.9	9	9.1	9.40	9.45	9.50	9.55
Module Efficiency (%)	16.7	17	17.3	17.5	17.8	19.05%	19.30%	19.54%	19.79%

@STC (1000W/m<sup>2</sup>, AM1.5, Cell Temp. 25°C) Voc tolerance ±3% Isc tolerance ±4%



### MECHANICAL DATA

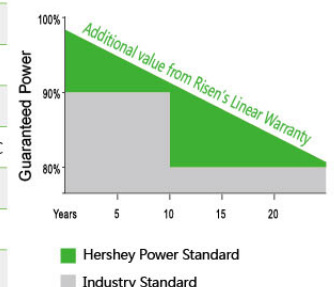
Solar cells	Polycrystalline, 5BB
Cell configuration	72 cells (6x12)
Weight	22kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 1000mm length
Connector	IP67/IP68

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

### LINEAR PERFORMANCE WARRANTY

12year Product Warranty/25year Linear Power Warranty



## CHANGZHOU HERSHEY-POWER NEW ENERGY CO.,LTD

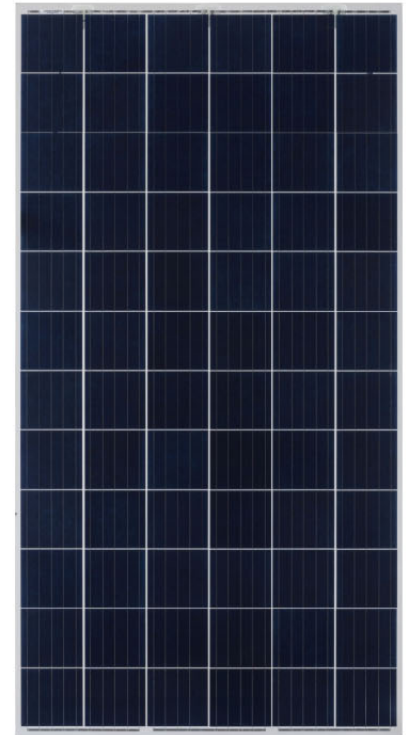
Head office: Room 2407, Unit B, Tianning Times Square, Changzhou, China











Plant address: NO.101, East Guangdian Rd, Hutang Industrial Park, Changzhou, China

Web site: www.hershey-power.com Email: sales@hershey-power.com

# HS72-PB-[325-390W]

## POLY-CRYSTALLINE BIFACIAL MODULE



-  **Bifacial** Bifacial technology enables additional energy harvesting from rear side (up to 25%)
-  **Industry leading lowest thermal co-efficient of power**
-  **Industry leading 12 years product warranty**
-  **Excellent low irradiance performance**
-  **Excellent PID resistance**
-  **Positive tight power tolerance**
-  **Dual stage 100% EL Inspection warranting defect-free product**
-  **Module Imp binning radically reduces string mismatch losses**
-  **Warranted reliability and stringent quality assurances well beyond certified requirements**
-  **Certified to withstand severe environmental conditions**
  - Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
  - Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
  - Excellent mechanical load 2400Pa & snow load 5400Pa resistance

### ELECTRICAL DATA (STC)

Model Number	HS72-P-325	HS72-P-330	HS72-P-335	HS72-P-340	HS72-P-345	HS72-P-375	HS72-P-380	HS72-P-385	HS72-P-390
Rated Power in Watts-Pmax(Wp)	325	330	335	340	345	375	380	385	390
Open Circuit Voltage-Voc(V)	45.50	45.70	45.90	46.10	46.30	48.60	48.95	49.35	49.70
Short Circuit Current-Isc(A)	9.20	9.30	9.40	9.50	9.60	9.95	10.00	10.05	10.10
Maximum Power Voltage-Vmpp(V)	37.40	37.55	37.65	37.80	37.95	39.95	40.25	40.55	40.85
Maximum Power Current-Impp(A)	8.70	8.80	8.90	9.00	9.10	9.40	9.45	9.50	9.55
Module Efficiency (%)	16.60%	16.90%	17.20%	17.40%	17.70%	19.05%	19.30%	19.54%	19.79%

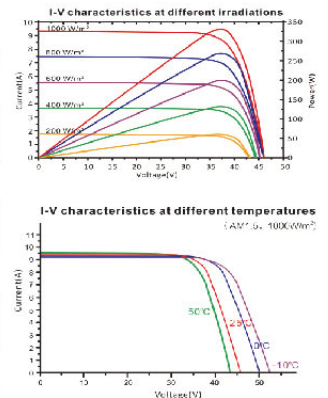
@STC (1000W/m<sup>2</sup>, AM1.5, Cell Temp. 25°C) Voc tolerance ±3% Isc tolerance ±4%  
Bifacial factor: 75%±5%

### MECHANICAL DATA

Solar cells	Polycrystalline, 5BB
Cell configuration	72 cells (6x12)
Weight	27.5kg
Superstrate	2.0mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	2.0mm.Tempered Glass
Frame	Anodized Aluminium Alloy , Silver Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 1000mm length
Connector	IP67/IP68

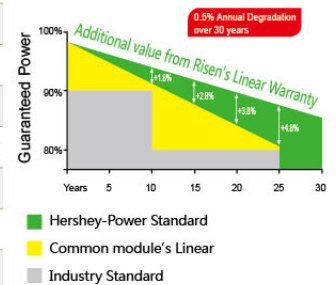
### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.29% /°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A



### LINEAR PERFORMANCE WARRANTY

12year Product Warranty/30year Linear Power Warranty



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Plant address:NO.101,East Guangdian Rd,Hutang Industrial Park,Changzhou,China

Web site:www.hershey-power.com Email:sales@hershey-power.com