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# **EnergyPal**

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

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

**HS72-M-360-400W**

**HS72-M-365**

Also available on the web at

[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs72-m-](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs72-m-365)

365

# HS72-M-[360-400W]

## MONO-CRYSTALLINE MODULE



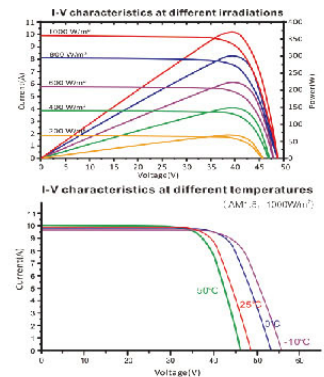
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive tight power tolerance
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces 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-M-360	HS72-M-365	HS72-M-370	HS72-M-375	HS72-M-380	HS72-M-385	HS72-M-390	HS72-M-395	HS72-M-400
Rated Power in Watts-Pmax(Wp)	360	365	370	375	380	385	390	395	400
Open Circuit Voltage-Voc(V)	47.3	47.7	48.15	48.6	48.95	49.35	49.70	50.10	50.45
Short Circuit Current-Isc(A)	9.8	9.85	9.9	9.95	10	10.05	10.10	10.15	10.20
Maximum Power Voltage-Vmpp(V)	38.95	39.25	39.6	39.95	40.25	40.55	40.85	41.20	41.50
Maximum Power Current-Impp(A)	9.25	9.3	9.35	9.4	9.45	9.50	9.55	9.60	9.65
Module Efficiency (%)	18.60%	18.80%	19.10%	19.30%	19.60%	19.54%	19.79%	20.07%	20.32%

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



### MECHANICAL DATA

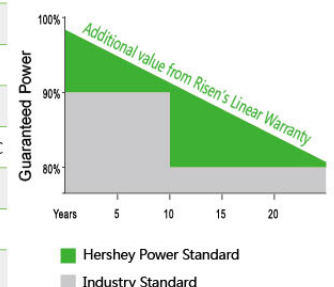
Solar cells	Monocrystalline, 5BB 72cells (6x12)
Module size	1983*1007*40mm
Weight	22kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy ,Silver Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (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

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