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# **EnergyPal**

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

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

**HS60-P-270-325W**

**HS60-P-280**

Also available on the web at  
[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs60-p-](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs60-p-280)

# HS60-P-[270-325W]

## POLY-CRYSTALLINE MODULE



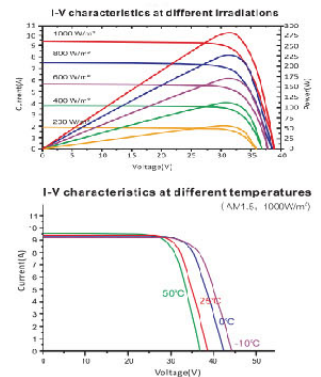
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive tight power tolerance
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces 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	HS60-P-270	HS60-P-275	HS60-P-280	HS60-P-285	HS60-P-290	HS60-P-305	HS60-P-310	HS60-P-315	HS60-P-320	HS60-P-325
Rated Power in watts-Pmax(Wp)	270	275	280	285	290	305	310	315	320	325
Open circuit Voltage-Voc(V)	37.90	38.10	38.30	38.40	38.60	39.40	39.80	40.10	40.50	40.80
Short circuit Voltage-Vsc(V)	9.20	9.30	9.40	9.50	9.60	9.80	9.85	9.90	9.95	10.00
Maximum Power Voltage-Vmpp(V)	31.05	31.25	31.45	31.65	31.85	33.00	33.35	33.70	34.05	34.40
Maximum Power Current-Impp(A)	8.70	8.80	8.90	9.00	9.10	9.25	9.30	9.35	9.40	9.45
Module Efficiency(%)	16.50%	16.80%	17.10%	17.40%	17.70%	18.50%	18.79%	19.09%	19.39%	19.70%

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



### MECHANICAL DATA

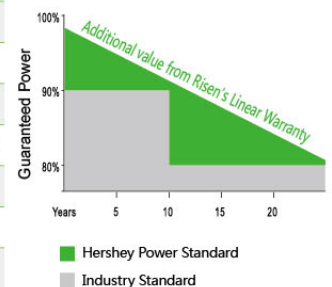
Solar cells	Polycrystalline, 5BB
Cell configuration	60 cells (6*10)
Weight	18kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 900mm 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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