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# **EnergyPal**

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

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

**HS60-MF-290-330W**

**HS60-MF-305**

Also available on the web at

[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs60-mf-](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs60-mf-305)

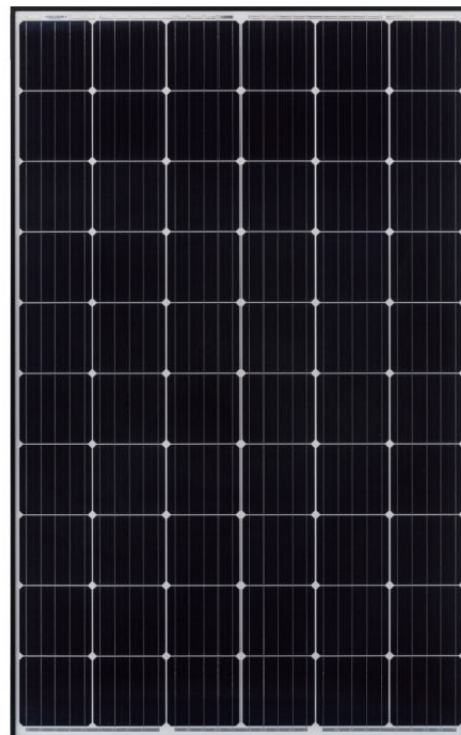
305

# HS60-MF-[290-330W]

MONO-CRYSTALLINE BLACK MODULE



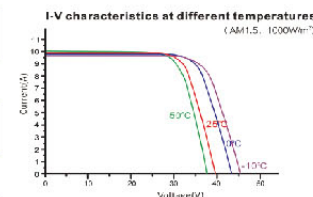
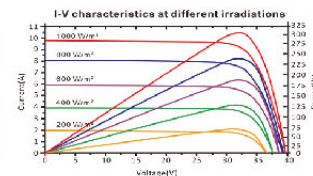
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive tight power tolerance
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces 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-MF-290	HS60-MF-295	HS60-MF-300	HS60-MF-305	HS60-MF-310	HS60-MF-315	HS60-MF-320	HS60-MF-325	HS60-MF-330
Rated Power in Watts-Pmax(Wp)	290	295	300	305	310	315	320	325	330
Open Circuit Voltage-Voc(V)	38.8	39.1	39.4	39.8	40.1	40.50	40.80	41.10	41.40
Short Circuit Current-Isc(A)	9.7	9.75	9.8	9.85	9.9	9.95	10.00	10.05	10.10
Maximum Power Voltage-Vmpp(V)	32.25	32.65	33	33.35	33.7	34.05	43.40	34.75	35.10
Maximum Power Current-Impp(A)	9.15	9.2	9.25	9.3	9.35	9.40	9.45	9.50	9.55
Module Efficiency (%)	18.00%	18.30%	18.60%	18.90%	19.20%	19.39%	19.70%	20.00%	20.31%

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



## MECHANICAL DATA

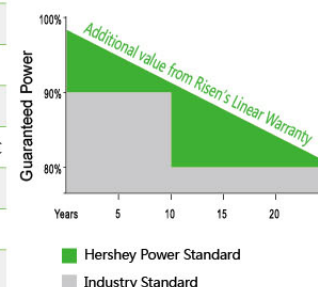
Solar cells	Monocrystalline, 5BB
Cell configuration	60 cells (6x10)
Weight	18kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy ,Black Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 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/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

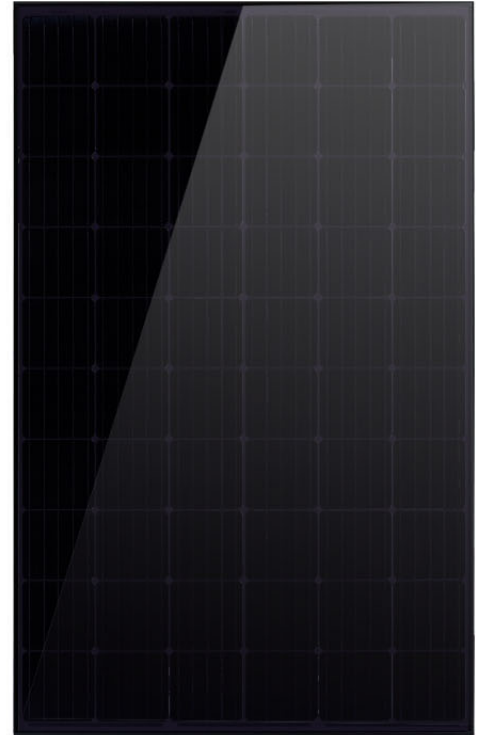
Web site:www.hershey-power.com Email:sales@hershey-power.com

# HS60-MF-[290-330W]

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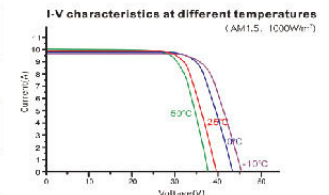
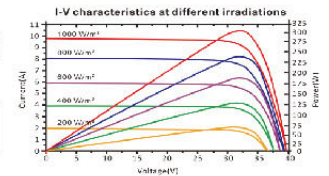
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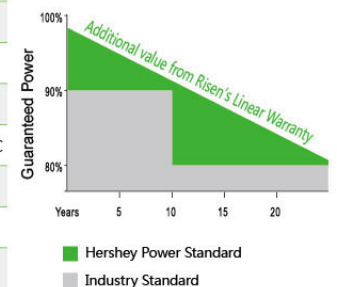
Solar cells	Monocrystalline, 5BB ,60 cells (6X10)
Panel size	1650x992x35mm
Weight	18kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	Black Back-sheet
Frame	Anodized Aluminium Alloy ,Black Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 1000mm length
Connector	IP67/IP68

## TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
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