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# **EnergyPal**

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











**Changzhou Hershey-Power New Energy Co., Ltd.  
HS120-MB 300-340W Bifacial  
HS120-MB-325**

Also available on the web at  
[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs120-mb-325](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs120-mb-325)

# HS120-MB-[300-340W]

MONO-CRYSTALLINE HALF CUT  
BIFACIAL MODULE



-  **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	HS120-MB-300	HS120-MB-305	HS120-MB-310	HS120-MB-315	HS120-MB-320	HS120-MB-325	HS120-MB-330	HS120-MB-335	HS120-MB-340
Rated Power in Watts-Pmax(Wp)	300	305	310	315	320	325	330	335	340
Open Circuit Voltage-Voc(V)	39.40	39.50	39.70	39.80	40.00	40.10	40.30	40.40	40.50
Short Circuit Current-Isc(A)	9.70	9.80	9.90	10.00	10.10	10.20	10.30	10.40	10.50
Maximum Power Voltage-Vmpp(V)	33.00	33.20	33.35	33.55	33.70	33.90	34.05	34.20	34.40
Maximum Power Current-Impp(A)	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90
Module Efficiency (%)	17.80%	18.10%	18.40%	18.70%	19.00%	19.35%	19.63%	19.92%	20.24%

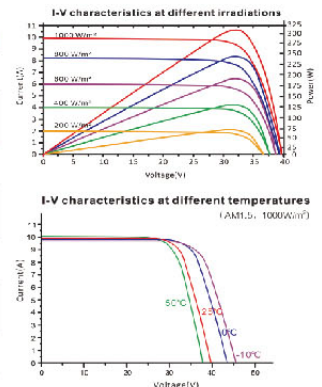
@STC (1000W/m<sup>2</sup>, AM1.5, Cell Temp. 25°C) Voc tolerance ±3% Isc tolerance ±4%  
Bifacial factor: 75%±5%

## MECHANICAL DATA

Solar cells	Monocrystalline, 5BB
Cell configuration	120 cells (6x10+6x10)
Weight	22kg
Superstrate	2.0 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	2.0 mm, Tempered Glass
Frame	Anodized Aluminium Alloy ,Silver Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mm (12AWG), Positive(+)270mm, Negative(-)100mm
Connector	IP67/IP68

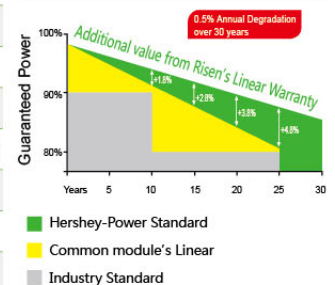
## TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.055%/°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/30year Linear Power Warranty



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

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