

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

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

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

**HS120-M-300-340W**

**HS120-M-300**

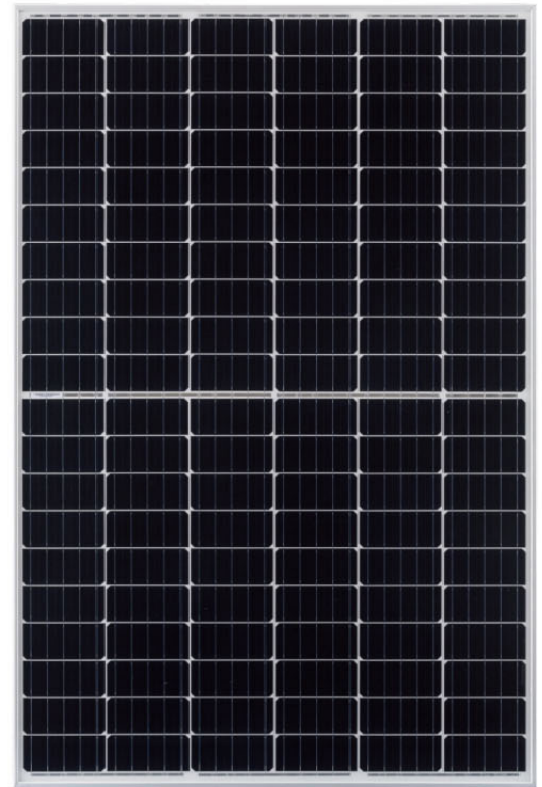
Also available on the web at  
[EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs120-m-300](http://EnergyPal.com/changzhou-hershey-power-new-energy-co-ltd-solar-panels/hs120-m-300)










# HS120-M-[300-340W]

MONO-CRYSTALLINE HALF CUT MODULE



HERSHEY POWER

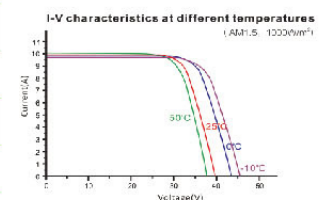
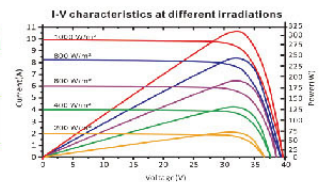


-  **Industry leading lowest thermal co-efficient of power**
-  **Industry leading 12 years product warranty**
-  **Excellent low irradiance performance**
-  **Excellent PID resistance**
-  **Positive tight power tolerance**
-  **Dual stage 100% EL Inspection warranting defect-free product**
-  **Module 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-M-300	HS120-M-305	HS120-M-310	HS120-M-315	HS120-M-320	HS120-M-325	HS120-M-330	HS120-M-335	HS120-M-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-Imp(A)	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90
Module Efficiency (%)	17.90%	18.20%	18.50%	18.80%	19.10%	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%



## MECHANICAL DATA

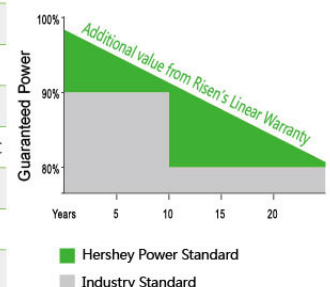
Solar cells	Monocrystalline, 5BB, 120(6x10+6x10)
Module Size	1704x1006x35mm
Weight	19kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy ,Silver Color
J-Box	Potted, IP68,1500VDC, 3 Schottky bypass diodes
Cables	4.0mma (12AWG), Positive(+)270mm, Negative(-)100mm
Connector	IP67/IP68

## TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°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