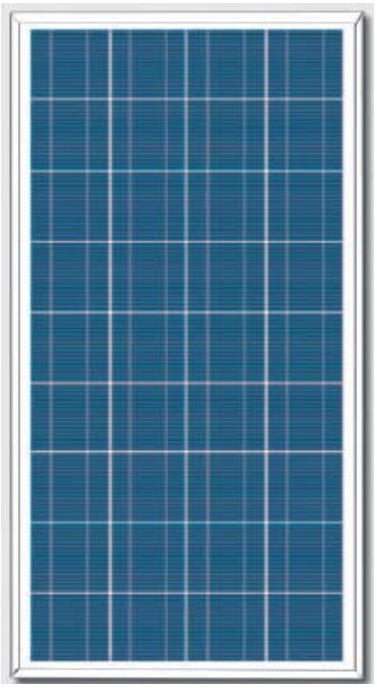
Beijing Hope Solar Power Co., Ltd

Solar Modules

HBM(150W)14866p
HBM(145W)14866p
HBM(140W)14866p
HBM(130W)14866p

Where there is the *Sun*
there is *hope*

Features



- 36 poly crystalline cells connected in series
- High module conversion efficiency, through superior manufacturing technology
- Entire module certified to withstand wind loads (2400 Pascal)
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low-iron, tempered glass and antireflective coating

Benefits

- 25 years transferrable power output warranty, 25 year/80%
- Product liability insurance
- Enhanced design for easy installation and long term reliability

Certifications

ISO9001 IEC61215 IEC61730 CE CEC

Electrical Specifications

Module type	HBM(150W)14866p	HBM(145W)14866p	HBM(140W)14866p	HBM(130W)14866p
Maximum power voltage(Vmp)	18.0 V	17.8 V	17.8V	17.5V
Maximum power current(Imp)	8.8 A	8.63 A	7.88A	7.43A
Short circuit current(Isc)	8.33 A	8.15 A	8.36A	8.21A
Open circuit voltage(Voc)	22.3 V	22.1 V	22.0V	21.9V
Peak power(Pmax)	150W	145W	140W	130W
Cell Efficiency	17.1%	17.1%	16.5%	15.3%
Module Efficiency	15.1%	14.6%	14.1%	13.1%
Series fuse rating(A)	11A			
Normal Operating Cell Temperature	47±2℃			
Maximum system voltage	DC 1000V			
Number of bypass diode	3			

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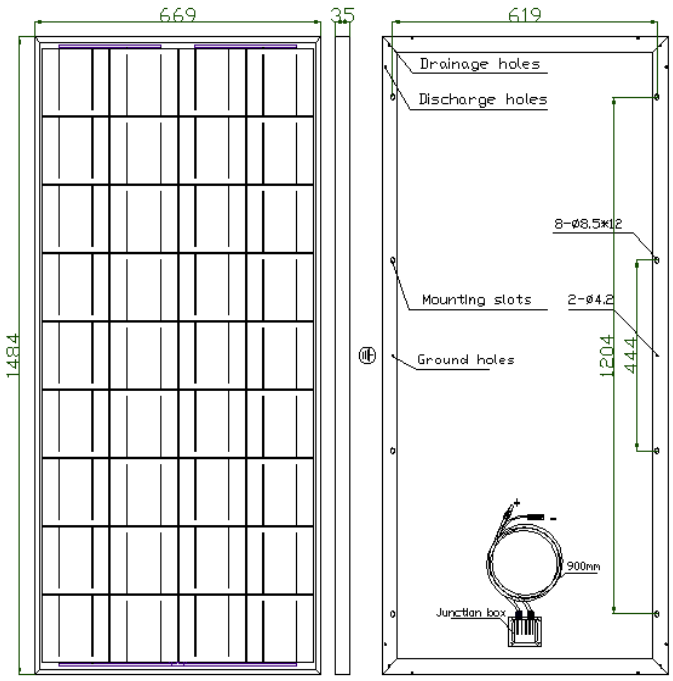
Mechanical Specifications

Cell type	Poly-crystalline 156*156mm
Number of cells	36 cells in series
Weight	13.5kg
Dimensions	1484*669*35mm
Max Load	2400Pascals
Glass Size	1478*663*3.2mm
Junction box	IP65 rated
Output cables	Cross section 4.0mm^2 Length(+/-) 900mm MC plug type

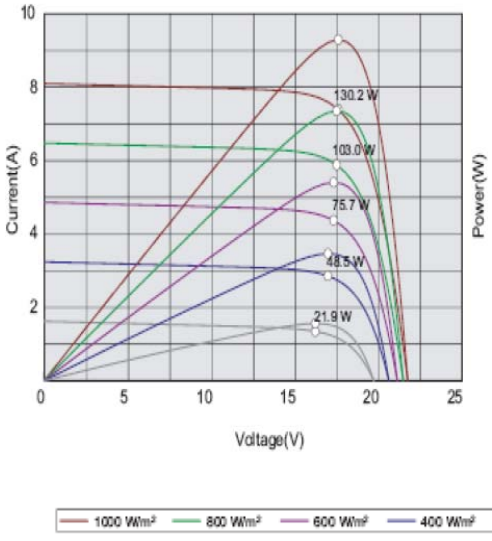


Temperature Coefficient

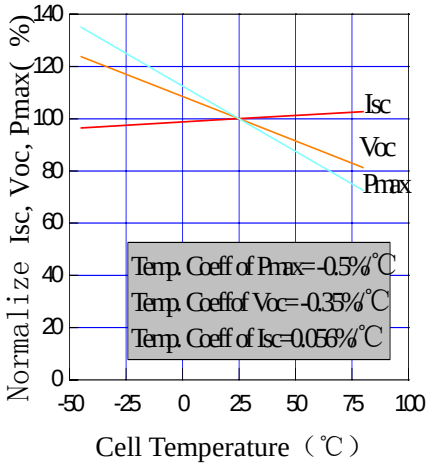
Temp. Coeff. of Isc	0.056%/℃
Temp. Coeff. of Voc	-0.35%/℃
Temp. Coeff. of Pmax	-0.5%/℃
Power Tolerance	±3%

Electrical Characteristics

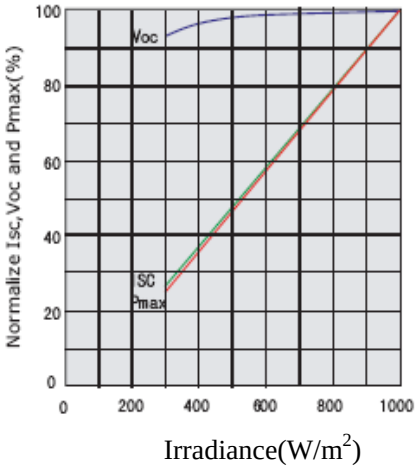
Electrical performance (cell temperature:25 ℃)



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax(Cell Temp:25℃)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000w/m^2 solar irradiance, 1.5 Air Mass, and cell temperature of 25℃.

Please contact shichangbu@hopesolar.com.cn for technical support. The parameters are for reference only, and are subject to change without notice or obligation .