



HBM(315W)19698m HBM(310W)19698m HBM(290W)19698m HBM (280W)19698m



Features

- 72 mono crystalline cells connected in series
- High module conversion efficiency, through superior manufacturing technology
- Entire module certified to withstand wind loads (2400 Pascal) and snow loads (5400 Pascal)
- Anodized aluminum is mainly for improving corrosion
- Highly transparent, low-iron, tempered glass and antireflective coating

Benefits

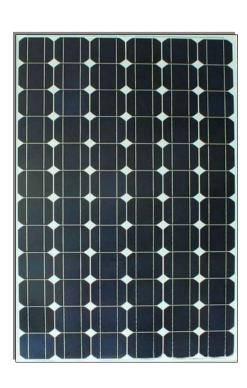
- 25 years transferrable power output warranty, 25 year/80%
- \triangleright Product liability insurance
- Enhanced design for easy installation and long term reliability

Certifications

ISO9001 IEC61215 IEC61730 CE CEC

Electrical Specifications

Module type	HBM(315W)19698m	HBM(310W)19698m	HBM(300W)19698m	HBM(280W)19698m
Maximum power voltage(Vmp)	37.5 V	37.4 V	37.4 V	36.2 V
Maximum power current(Imp)	8.4 A	8.28 A	8.02 A	7.75 A
Short circuit current(Isc)	8.94 A	8.92 A	8.66 A	8.42 A
Open circuit voltage(Voc)	45.4 V	45.3 V	45.1 V	44.2 V
Peak power(Pmax)	315W	310W	300W	280W
Cell Efficiency	18.9%	18.6%	18.0%	16.8%
Module Efficiency	16.27%	16.02 %	15.50%	14.47%
Series fuse rating(A)	15A			
Normal Operating Cell Temperature	47±2°C			
Maximum system voltage	DC 1000V			
Number of bypass diode	3			



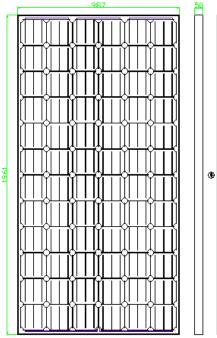
Beijing Hope Solar Power Co., Ltd

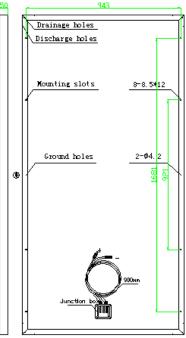
Mechanical Specifications

Cell type Monocrystalline 156*156mm		
No. of cells	72cells in series	
Weight	25kg	
Dimensions	1961*987*50mm	
Max Load	5400Pascals	
Glass Size	1955*981*4.0mm	
Junction box	IP65 rated	
Output cables	Cross section 4.0mm ²	
	Length(+/-) 900mm	
	MC plug type	

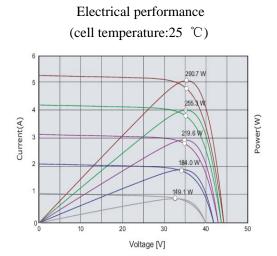
Temperature Coefficient

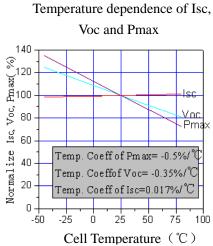
Temp. Coeff. of Isc	0.017%/℃
Temp. Coeff. of Voc	-0.35%/℃
Temp. Coeff. of Pmax	-0.5%/℃
Power Tolerance	±3%

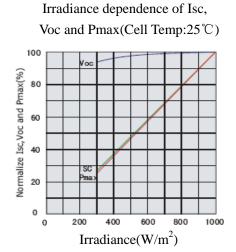




Electrical Characteristics







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°C .

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