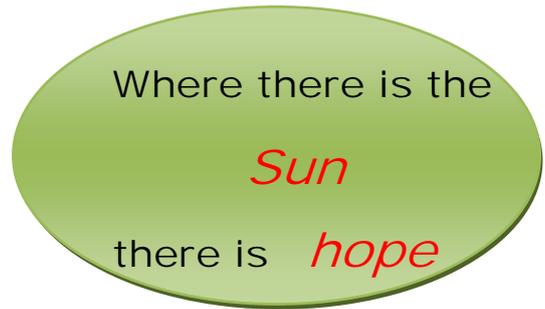


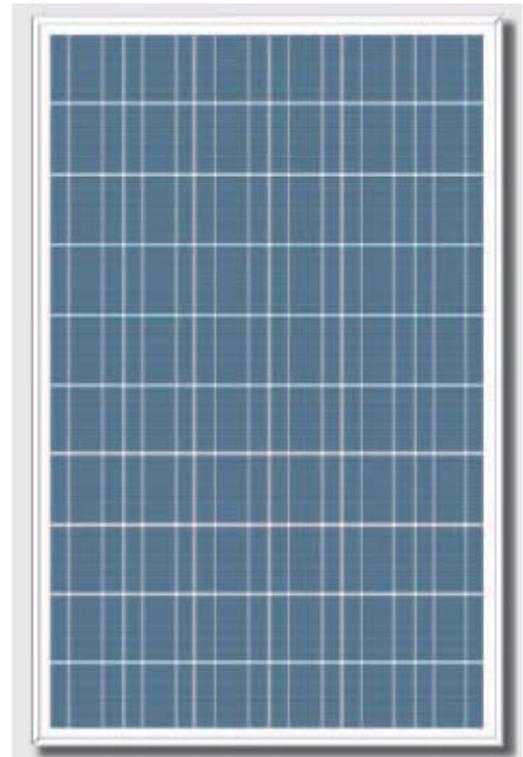
Solar Modules

- HBM(250W)16498p
- HBM(245W)16498p
- HBM(240W)16498p
- HBM(235W)16498p



Features

- 60 poly 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 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

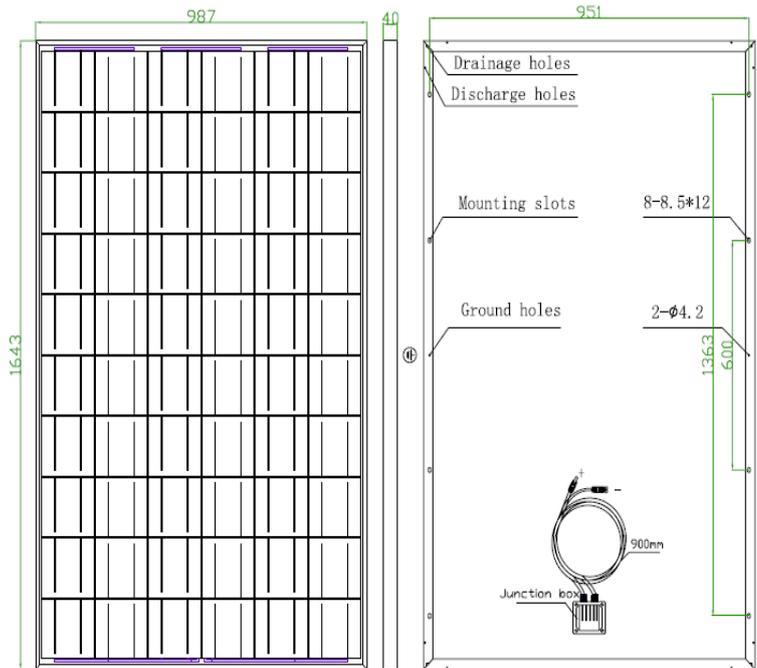
ISO9001 IEC61215 IEC61730 CE CEC

Electrical Specifications

Module type	HBM(250W)16498p	HBM(245W)16498p	HBM(240W)16498p	HBM(235W)16498p
Maximum power voltage(Vmp)	30.6V	30.4V	30.2V	30.0 V
Maximum power current(Imp)	8.17A	8.06A	7.95A	7.83 A
Short circuit current(Isc)	8.63A	8.49A	8.35A	8.32 A
Open circuit voltage(Voc)	38.1V	38.0V	37.2V	37.0 V
Peak power(Pmax)	250W	245W	240W	235W
Cell Efficiency	17.65%	17.30%	16.95%	16.6%
Module Efficiency	15.42%	15.11%	14.80%	14.93%
Series fuse rating(A)	15A			
Normal Operating Cell Temperature	47±2℃			
Maximum system voltage	DC 1000V			
Number of bypass diode	3			

Mechanical Specifications

Cell type	Polycrystalline 156*156mm
No. of cells	60 cells in series
Weight	19kg
Dimensions	1643*987*40mm
Max Load	5400Pascals
Front Glass	3.2mm tempered glass
Junction box	IP65 rated
	Cross section 4.0mm ²
Output cables	Length(+/-) 900mm
	MC plug type

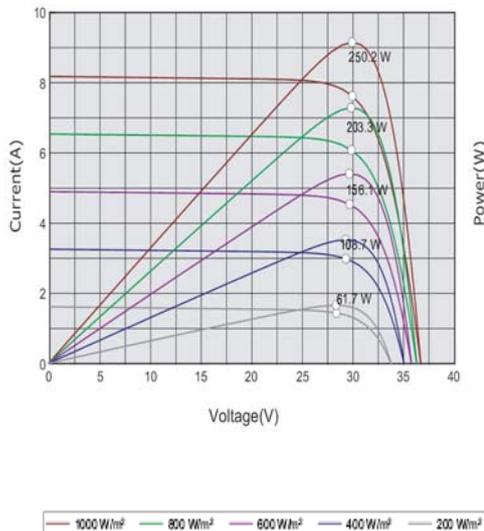


Temperature Coefficient

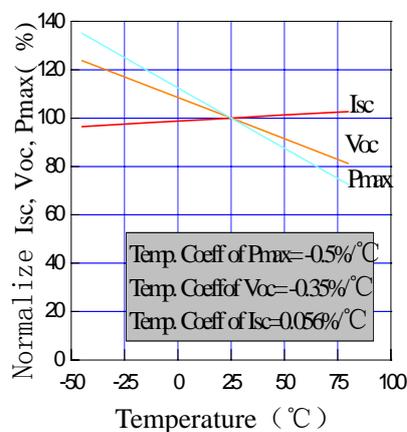
Temp. Coeff. of Isc	0.056%/°C
Temp. Coeff. of Voc	-0.35%/°C
Temp. Coeff. of Pmax	-0.5%/°C
Power Tolerance	±3%

Electrical Characteristics

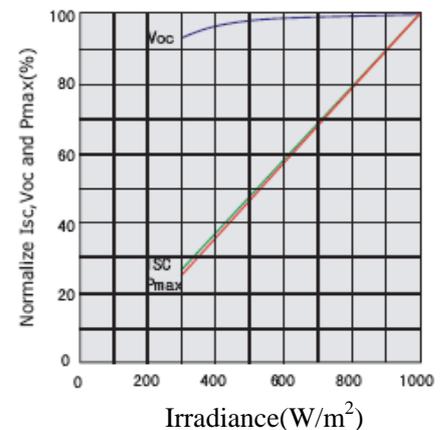
Electrical performance
(cell temperature:25 °C)



Temperature dependence of Isc, Voc and Pmax



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



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000w/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.

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