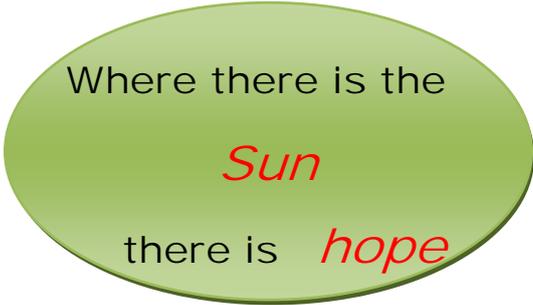


Solar Modules

- HBM(200W)15880m
- HBM(195W)15880m
- HBM(190W)15880m
- HBM(185W)15880m
- HBM(180W)15880m



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 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

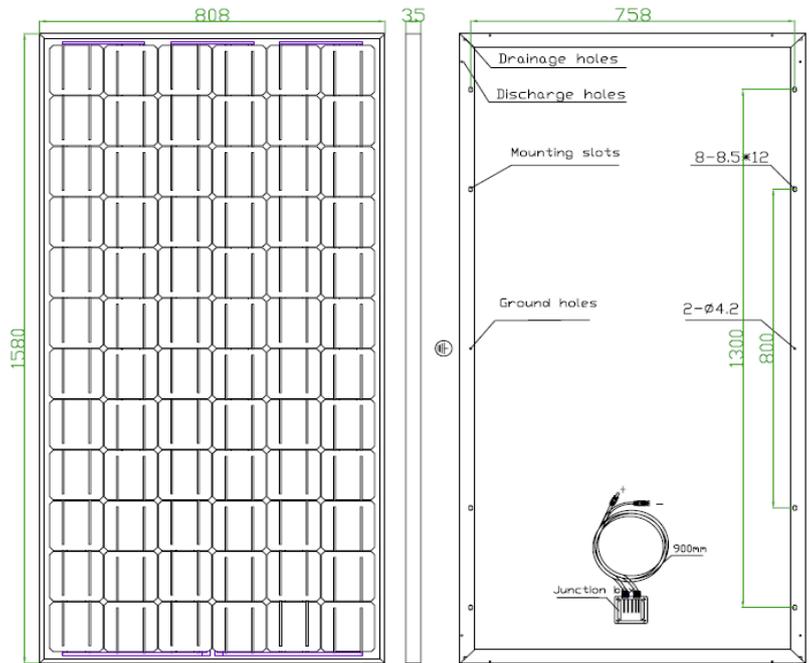
ISO9001 IEC61215 IEC61730 CE CEC

Electrical Specifications

Module type	HBM(200W)15880m	HBM(195W)15880m	HBM(190W)15880m	HBM(185W)15880m	HBM(180W)15880m
Maximum power voltage(Vmp)	37.1 V	36.9V	36.8V	36.4V	35.8V
Maximum power current(Imp)	5.39 A	5.28A	5.16A	5.08A	5.03A
Short circuit current(Isc)	5.76 A	5.66A	5.52A	5.38A	5.33A
Open circuit voltage(Voc)	45.7 V	45.4V	45.3V	44.8V	44.4V
Peak power(Pmax)	200W	195W	190W	185W	180W
Cell Efficiency	18.5%	18..2%	17.6%	17.1%	16.6%
Module Efficiency	15.67%	15.27%	14.89%	14.50%	14.10%
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	Monocrystalline 125*125mm
No. of cells	72 cells in series
Weight	15.4kg
Dimensions	1580*808*35mm
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

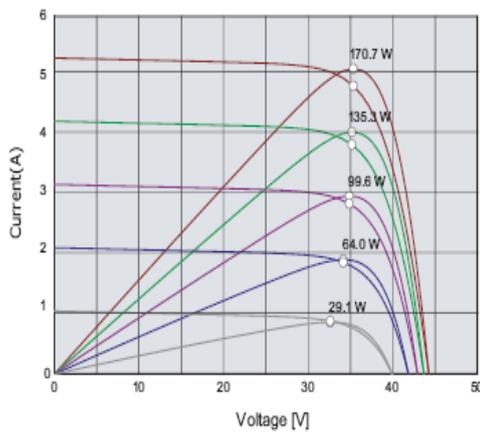


Temperature Coefficient

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

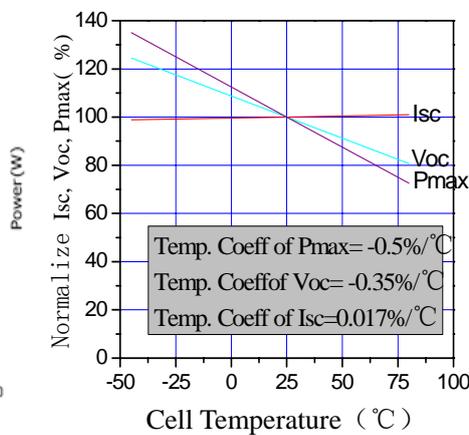
Electrical Characteristics

Electrical performance
(cell temperature:25 °C)

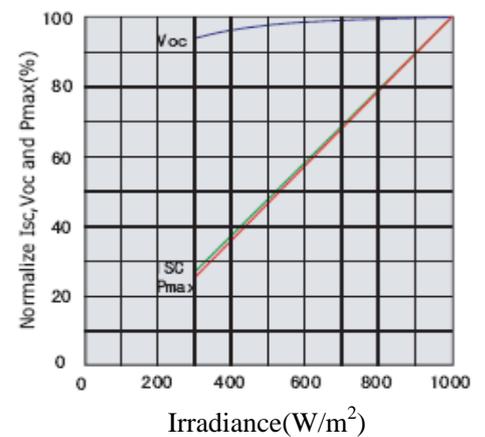


— 1000 W/m² — 800 W/m² — 600 W/m² — 400 W/m² — 200 W/m²

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.