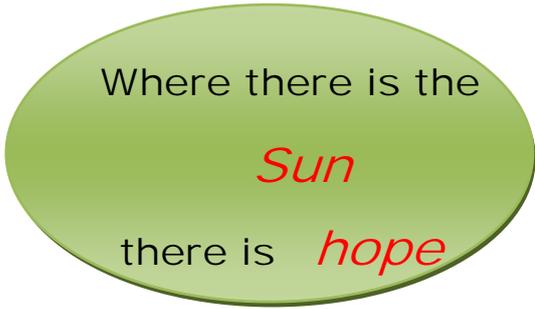


Solar Modules

- HBM(100W)12155m
- HBM(95W)12155m
- HBM(90W)12155m
- HBM(85W)12155m



Features

- 36 mono 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



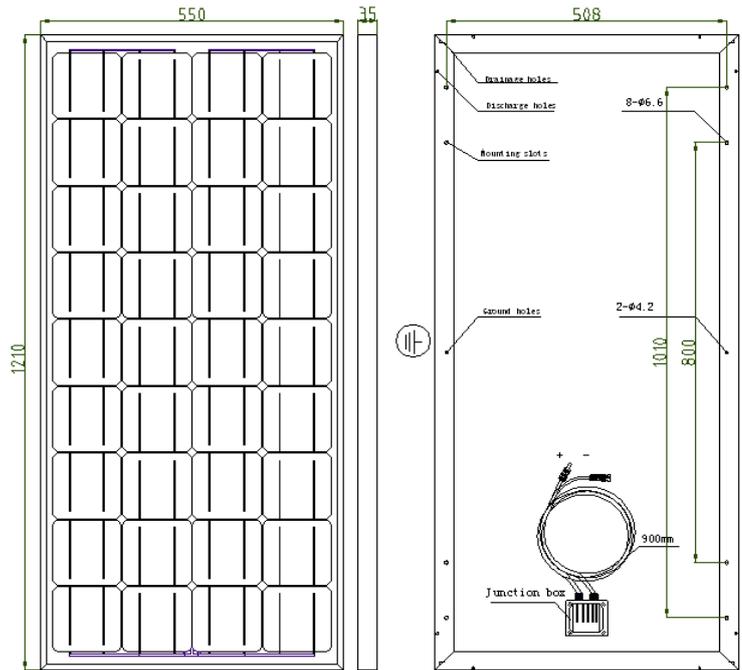
Module type	HBM(100W)12155m	HBM(95W)12155m	HBM(90W)12155m	HBM(85W)12155m
Maximum power voltage(Vmp)	17.8 V	17.8 V	17.8 V	17.8V
Maximum power current(Imp)	5.62 A	5.34 A	5.06 A	4.77A
Short circuit current(Isc)	5.73 A	5.73 A	5.43 A	5.21A
Open circuit voltage(Voc)	22.3 V	22.3 V	22.3 V	22.1V
Peak power(Pmax)	100W	95W	90W	85W
Cell Efficiency	18.5%	17.6%	16.2%	15.7%
Module Efficiency	15.0%	14.3%	13.5%	12.8%
Series fuse rating(A)	11A			
Normal Operating Cell Temperature	47±2°C			
Maximum system voltage	DC 750V			
Number of bypass diode	2			

Mechanical Specifications

Cell type	Monocrystalline 125*125mm
No. of cells	36 cells in series
Weight	9.6kg
Dimensions	1210*550*35mm
Max Load	2400Pascals
Front glass	3.2mm tempered glass
Junction box	IP65 rated
	Cross section 4.0mm ²
Output cables	Length(+/-) 900mm
	MC plug type

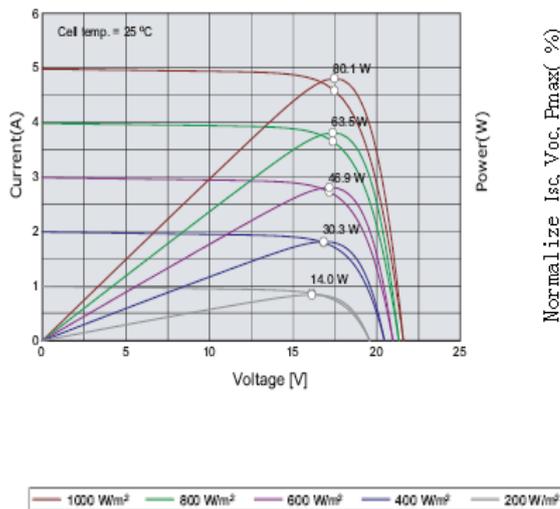
Temperature Coefficient

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

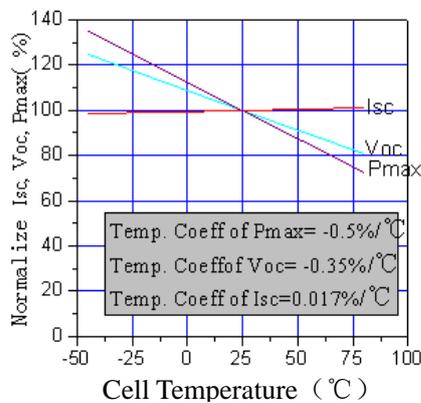


Electrical Characteristics

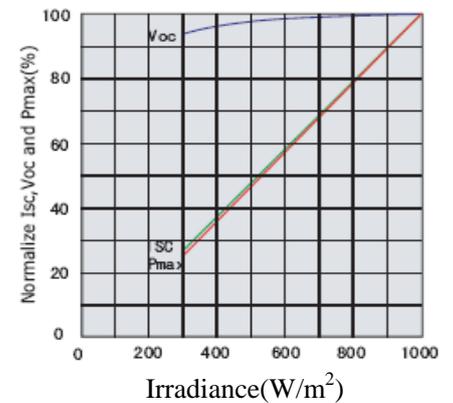
Electrical performance
(cell temperature: 25 °C)



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