

Himin Clean Energy Holdings Co.,Ltd
Himin Solar Energy Group Co.,Ltd

HG-200S
200W



Monocrystalline photovoltaic module



MONOCRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 200W POWER

Himin Clean Energy Holdings Co.,Ltd has concentrated on solar energy research for 15 years. Himin's HG-200S photovoltaic module is designed for large electrical power requirements, this module has super durability to withstand rigorous operating conditions and is suitable for grid connected systems.

Features

High-power module(200W)using 125mm square monocrystalline silicon solar cells with 15.7% module conversion efficiency

Photovoltaic module with bypass diode minimizes the power drop caused by shade.Textured cell surface to reduce the reflection of sunlight and BSF(Back Surface Field)structure to improve cell conversion efficiency :18.0%

Using low-iron tempered glass,EVA resin and an aluminium frame for extended outdoor use
DC 24V system and high-voltage output for grid connected system

Output terminal:Lead wire with waterproof connector

Specifications

HG-200S

Cell	Monocrystalline silicon solar cells, 125mm square
Number of cells and connections	72 in series
Application	DC 24V system
Maximum system voltage	DC 1,000V
Series fuse rating	10A
Nominal power	200W
Dimensions	1580 808 50mm
Weight	16.2Kg
Type of output terminal	Lead wire with connector

Absolute maximum ratings

Parameters	Rating	Unit
Operating temperature	-40 to +85	
Storage temperature	-40 to +85	

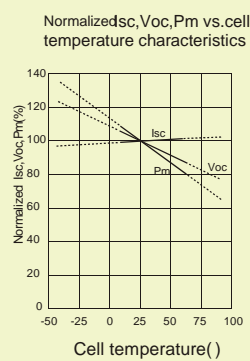
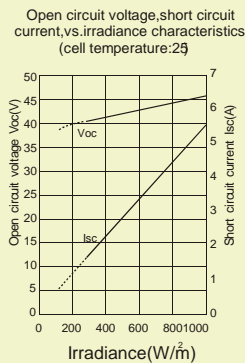
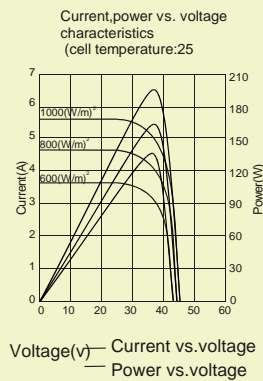
Temperature coefficients

P_m	-0.490%/
I_{sc}	+0.050%/
V_{oc}	-152mv/

Electro-optical characteristics

Parameters	Symbol	Min.	Type	Unit	Conditions
Open circuit voltage	V_{oc}	45.4		V	Standard test conditions (STC)
Maximum power voltage	V_{pm}	38.0		V	
Short circuit current	I_{sc}	5.61		A	Irradiance 1,000W/m ²
Maximum power current	I_{pm}	5.27		A	
Maximum power	P_m	190.0	200.0	W	AM1.5
Encapsulated solar cell efficiency	η	18.0		%	Module temperature 25
Module efficiency	η	15.7		%	

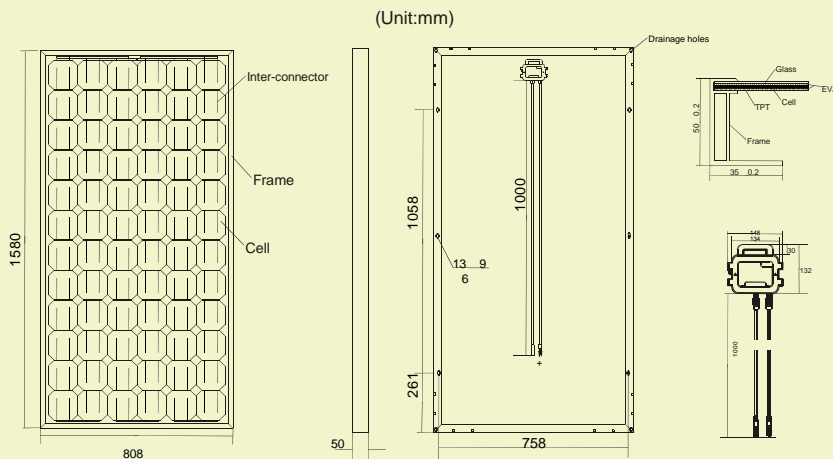
Characteristics



Applications

- Grid connected residential system
- Office buildings
- Solar power stations
- Solar villages
- Villas, mountain cottages
- Pumps
- Lighting equipment
- Traffic signs
- Radio relay stations
- Beacons
- Telemeter systems
- Telecommunication systems

Outline dimensions



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