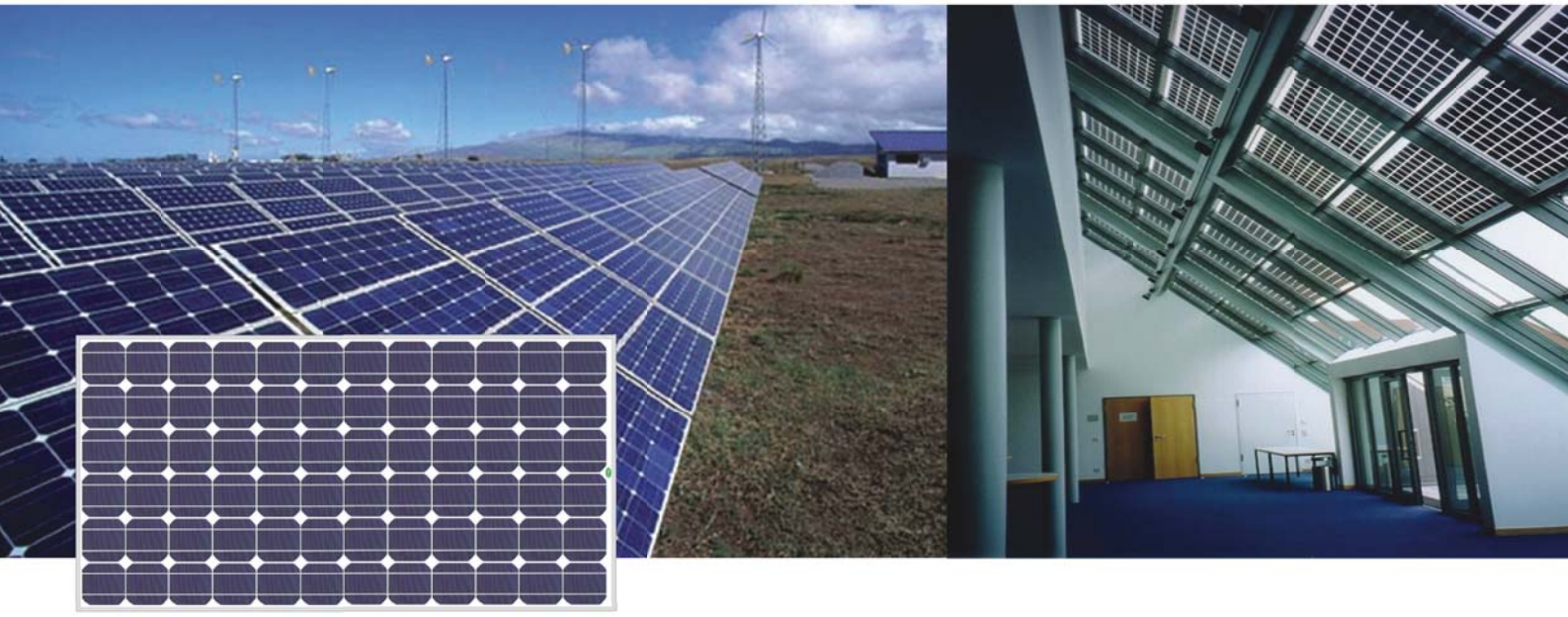
Himin Clean Energy Holdings Co.,Ltd
Himin Solar Energy Group Co.,Ltd

HG-195S
195W

Monocrystalline photovoltaic module



MONOCRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 195W POWER

Himin Clean Energy Holdings Co.,Ltd has concentrated on solar energy research for 15 years. Himin's HG-195S 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(195W)using 125mm square monocrystalline silicon solar cells with 15.3% module conversion efficiency

Photovoltaic module with bypass diode minimizes the power drop caused by shade.Textured ce surface to reduce the reflection of sunlight and BSF(Back Surface Field)structure to improve cell conversion efficiency :17.5%

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-195S

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	195W
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

Pm	-0.490%/
Isc	+0.050%/
Voc	-152mv/

Electro-optical characteristics

Parameters	Symbol	Min.	Type	Unit
Open circuit voltage	Voc		45.0	V
Maximum power voltage	Vpm		37.5	V
Short circuit current	Isc		5.56	A
Maximum power current	Ipm		5.21	A
Maximum power	Pm	185.3	195.0	W
Encapsulated solar cell efficiency	c		17.5	%
Module efficiency	m		15.3	%

Conditions

Standard test conditions (STC)

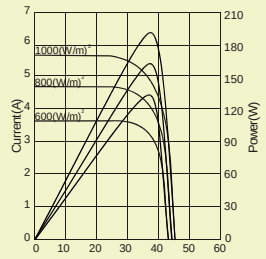
Irradiance 1,000W/m²

AM1.5

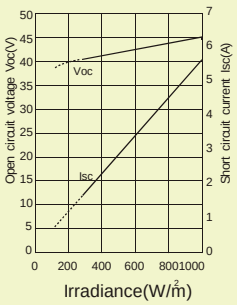
Module temperature 25

Characteristics

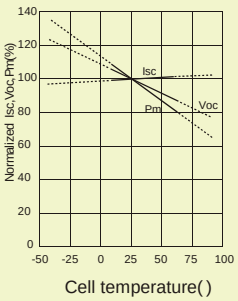
Current,power vs. voltage characteristics (cell temperature:25



Open circuit voltage,short circuit current,vs.irradiance characteristics (cell temperature:25

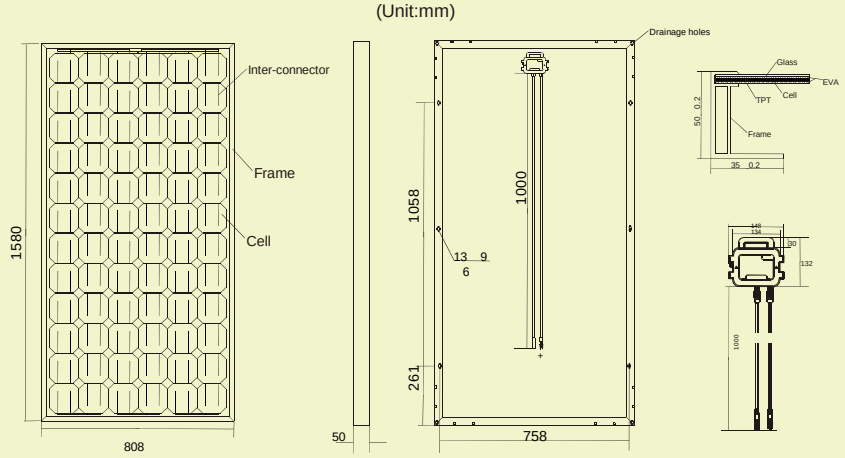


Normalized Isc,Voc,Pm vs.cell temperature characteristics



Outline dimensions

(Unit:mm)



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

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