

WE MAKE SOLAR ENERGY MORE EFFICIENT AND SIMPLE!

**EverExceed**<sup>®</sup>  
*power your applications*

## ESM-250M

### MONOCRYSTALLINE SOLAR MODULE



High module conversion efficiency through superior, manufacturing technology



Easy installation and handling for various applications



Entire module certified to withstand high wind loads (2400 Pa) and snow loads (5400 Pa)



ISO9001, OHSAS18001, ISO14001

An EverExceed high-power residential solar module is an aesthetic addition to most roofs

#### ENGINEERING EXCELLENCE

The perfect combination of high performance and design

#### ADVANCED AESTHETICS

Has an elegant appearance that blends beautifully with your home roof line

#### DURABLE

Provides long life and enhanced cell performance

#### HIGH PERFORMANCE

Uses advanced surface texturing to improve efficiency



EverExceed PV modules offer BTS-leading performance for a variety of applications

#### Power your application

When you choose EverExceed, you get more well-engineered products, you also get our proven reliability, outstanding customer service and the assurance of our 25-year limited warranty

## 250 Watt

### Electrical Characteristics

Type of Cell	Monocrystalline silicon
Cell Size(mm)	182x91mm
Module Efficiency	19.66%
Cell Configuration	68(4*17)
Size of module (mm)	1630x780x30mm
Weight per piece (Kg)	12.2Kg
Maximum power (Wp)	250W
Maximum power voltage (V)	19.72V
Maximum power current (A)	12.68A
Open circuit voltage (V)	23.66V
Short circuit current (A)	13.60A
Tolerance of Pmax	0~+5W

### Standard Operating Conditions

Maximum system voltage (V)	1000V
Temperature coefficients of Isc (%)	0.046%/°C
Temperature coefficients of Voc (%)	-0.275%/°C
Temperature coefficients of Pm (%)	-0.35%/°C
NOCT(°C)	45°C±2°C
Temperature range	-40°C to +85°C
Surface maximum load capacity	60m/s (200kg/sq.m)
Series fuse rating	15A

### Other Characteristics

Junction box type	IP67 rated
Connectors and cables type	4.0mm <sup>2</sup>
Length of cables (mm)	450mm
Frame (material, corners, etc.)	Anodized aluminum alloy
Glass	High transmissivity low-iron 3.2 mm toughened glass
FF (%)	≥ 77.7%

### QUALIFICATIONS

IEC	IEC 61215 IEC 61730 RoHS
CE EMC ISO	



10 years material and workmanship guarantee

95% power output guarantee for 5 years  
90% power output guarantee for 10 years  
80% power output guarantee for 25 years

EverExceed will not accept responsibility for damage caused to other equipment

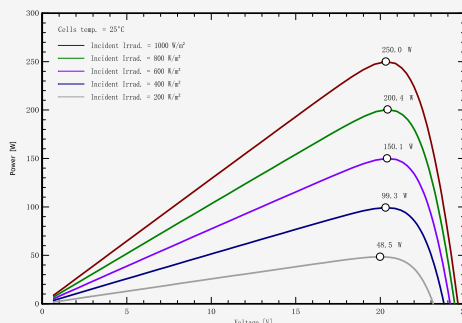
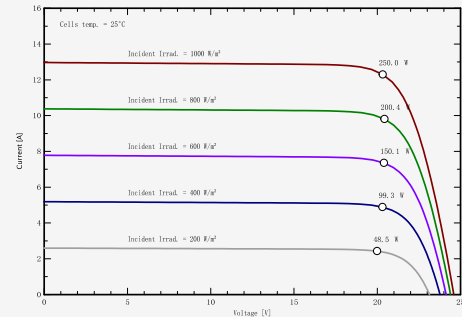
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**5** -year  
95% power output

**10** -year  
90% power output

**25** -year  
80% power output

### Characteristics (Module I-V Graph 250W)



STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM1.5 spectrum.

### Dimension

