EverExceed ®
power your applications

ESM 80-156

POLYCRYSTALLINE SOLAR MODULE

Efficiency
High module conversion efficiency, through superior manufacturing technology

Easyt&quick
Easy installation and handling for various applications

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

Certification
ISO9001,OHSAS18001, ISO14001

VDE ISO 9001 14001 IEC CE EMC

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
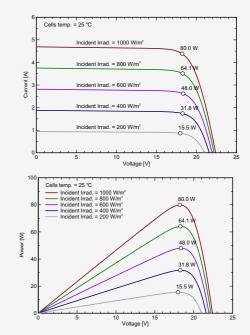
80 Watt

Electrical Characteristics

Type of Cell	Polycrystalline silicon
Cell Size(mm)	156mm
Module Efficiency	15.41%
Cell Configuration	36(4x9)
Size of module (mm)	775x670x30mm
Weight per piece (Kg)	6.0Kg
Maximum power (Wp)	80W
Maximum power voltage (V)	18.6V
Maximum power current (A)	4.3A
Open circuit voltage (V)	22.4V
Short circuit current (A)	4.69A
Tolerance of Pmax	0~+5W

Standard Operating Conditions

Maximum system voltage (V)	1000V
Temperature coefficients of Isc (%)	0.053%/℃
Temperature coefficients of Voc (%)	-0.33%/℃
Temperature coefficients of Pm (%)	-0.42%/℃
NOCT (^{o}C)	45℃±2℃
Temperature range	-40℃ to +85℃
Surface maximum load capacity	60m/s (200kg/sq.m)
Series fuse rating	8A

Characteristics(Module I-V Graph 80W)

STC: Irradiance 1000W/m^2, Module temperature 25℃, AM1.5 spectrum.

Other Characteristics

Junction box type	Ip65 rated
Connectors and cables type	2.5mm^2
Length of cables (mm)	750mm
Frame (material, corners, etc.)	Anodized aluminum alloy
Glass	High transmissivity low-iron 3.2 mm toughened glass
FF (%)	≥76.13%

QUALIFICATIONS

IEC D V E   IEC 61215   IEC 61730   **RoHS**

CE EMC ISO

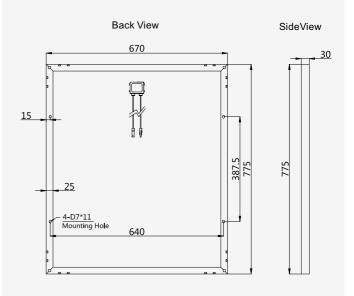10 years material and workmanship guarantee

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

Contact EverExceed to receive our latest product information

5-year
95% power output

10-year
90% power output

25-year
80% power output

Dimension

Back View

SideView

670
15
387.5
775
25
4-D7*11 Mounting Hole
640

30
775