

Solar Module 80 Watt ED67-SFM-80W

Product explanation

Specification

Cell name: Mono-crystalline solar cells
Cell size: 125mm x 125mm
No. of cells and connections: 36 series (4 x 9)
Unit weight: 7.8kg
Module size: 1196x541x35 (mm)
Produced in accordance with ISO, IEC, CE and TUV etc.

Electrical Characteristics

Nominal peak power (Wp): 80Wp
Nominal voltage (Vmp): 17V
Nominal current (Imp): 4.71A
Open circuit voltage (Voc): 21V
Short circuit current (Isc): 5.29A
Solar cell efficiency: 14.5%
Maximum system Voltage: 715V DC

Physical Characteristics

Operating temperature: -40C to +85C
Storage temperature: -40C to +85C
Pressure bearing: +2400Pa
Wind bearing: +5400Pa
Hail impact test 225g steel ball drops from height of 1m

Temperature Coefficients

Noct: 45C +2C
Temperature coefficient of ISC: +0.05%/C
Temperature coefficient of VOC: +0.05%/C
Temperature coefficient of PM: +0.05%/C
Power output Tolerance: +3%

Product Description

SFM-80 solar module is connected in series by 36 pieces of 125mmx125mm crystalline silicon cells. The product performance is produced according to ISO, IEC, CE and TUV etc. international standard. It can also be tailored to special requirements of customer.

Features and Advantages

1. High luminousness low iron hardened glass;
2. Anti-ageing EVA and excellent anti-climate back sheet;
3. Anodized excellent aluminum alloy frame;
4. High conversion efficiency, long life, convenient installation, wind protection, hail-stone protection;
5. High quality product warranty for 25 years.

Application

1. Power supply for remote telecommunication equipment;
2. Monitoring systems for the oil & gas industry;
3. Traffic, security, environment and other remote monitoring and signaling systems;
4. Water pumping systems;
5. Rural electrification;
6. Small home power systems;
7. 12V and 24V battery charging systems;
8. Other industrial and commercial applications

Installation

1. Install the PV modules facing South (in Northern hemisphere), or North (in Southern hemisphere).
2. PV modules connected in series should be installed at same orientation and angle. Different orientation or angle may cause loss of power output due to difference of amount of sunlight exposed to the modules.

Getting the best out of your solar products

With the right product and a little planning, solar can and does work year round in the UK. Naturally what you can expect in terms of performance in the winter, is not going to be what you might get at the height of summer but it can still do a solid job for you.

A poorly positioned panel is often the crucial difference between satisfaction and disappointment when it comes to the performance of your product.

Put simply: The fewer obstructions between the sun and your solar panel the better your unit will perform.

Your solar panel should be:



South facing or as near as possible



Outside of any glass windows and wiped clean from time to time

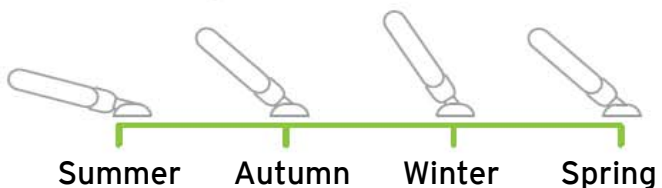


Free from any shadows; particularly important between 10am - 2pm

Correctly angled toward the sun for the time of year



South →



For any further advice please contact us