



230 Watt RV Solar Panel

SWE-230M-60 High Efficiency Mono Crystalline Solar Panels

High power output up to 13.3A with 20.7% module efficiency

SWE-230M-60 Technical Data

Electrical Characteristics Under STC

Maximum Power-Max (Wp)	230
Voltage at Maximum Power-Vmp (V)	17.4
Current at Maximum Power -Imp (A)	13.3
Open Circuit Voltage-Voc (V)	20.7
Short Circuit Current-Isc (A)	14.2
Module Efficiency-ηm (W)	20.7
Power Tolerance (Wp)	0/+3
Maximum System Voltage	1000 VDC
Operating Temperature	-40° -85°C

Mechanical Characteristics

Module Type	SWE-230M-60
Number of Cells	60
Dimensions	1445 x 770 x 30 mm - 57 x 30.3 x 1.2 inches
Weight	13.1kg -28.9lbs
Tempered Glass Thickness	3.2mm
Junction Box	IP65 MC4 cable 91cm - 36 inches

Temperature Conditions Under NOCT

Temperature coefficient of Pmax	-0.38%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

Features

- ✓ Mono Crystalline modules with outstanding performance in low-light irradiance conditions
- ✓ Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- ✓ Excellent mechanical load resistance: certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- ✓ High power output up to 13.3A with 20.7% module efficiency

Warranty Terms

10 Year Product Warranty on Materials and Manufacturing

10 Year Warranty for 90% Power Output

25 Year Warranty for 80% Power Output

Certifications



- ✓ TUV-NORD (IEC61215 & 61730) CE-NORD (2006/95EC)
- ✓ ISO9001/14001: Quality/Environmental management systems

STC (Standard Testing Conditions) : Irradiance 1000/m², cell temperature 25°C, AM 1.5NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient temperature 20°C, AM 1.5, Wind speed 1m/s
Electrical data in this sheet doesn't refer to a single module. It only serves as a comparison among different module types.