



⊠info@switchenergy.ca ∰ www.switchenergy.ca



**New Product** 

# 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

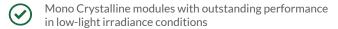
#### **Mechanical Characteristics**

Module Type	SWE-230M-60
Number of Cells	60
Dimensions	$1445 \times 770 \times 30$ mm - $57 \times 30.3 \times 1.2$ inches
Weight	13.1kg -28.9lbs
Tempered Glass Thickne	ess 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 lsc	0.05%/°C

### **Features**





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 One TUNNOR IEC ISO CE











TUV-NORD (IEC61215 & 61730) CE-NORD (2006/95EC)

ISO9001/14001: Quality/Environmental management systems

STC (Standard Testing Conditions): Irradiance 1000/m², cell temperature  $25^{\circ}$ C, AM 1.5NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, 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

Switch Energy - Smart Distribution for Renewable Energy Dealers Copyright © 2024 Switch Energy Inc. All Rights Reserved