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Solar Panel Guide Specification Data Sheet

**DONGGUAN SUNWORTH NEW ENERGY TECH
CO.,LTD
SW080-090P
SW080P**

Also available on the web at
EnergyPal.com/dongguan-sunworth-new-energy-tech-co-ltd-solar-panels/sw080p



Company

Sunworth solar, we commit ourselves to R&D, manufacture and technical innovation on PV modules and solar power system. To provide high quality products with various specifications for customers is always our pursuit.

Characteristics

- Use high quality solar cells to advanced encapsulation
- Adopt high transparent low-iron tempered glass, high quality anti-UV EVA and back sheet.
- With multi-ply performance testing for each module, to ensure the product quality and output performance.
- Using anodization aluminum frame with anticorrosion, to ensure solar module working under extremely and badly outdoors environment

Warranty

- 20 years power output warranty, 90% power output for 5years, and 80% power output for 20years.
- 3 years workmanship warranty.

Quality and safety

- ISO9001:2008 certified supplier, we provide world first class solar products for clients.
- IEC 61215, IEC 61730, IEC, CQC, CGC, CE, approved.



Electrical Characteristics

Model No.	SW080P	SW085P	SW090P
Maximum Power (Pmax)	80W	85W	90W
Max-power Voltage (Vmp)	18.1V	18.1V	18.1V
Max-power Current (Imp)	4.42A	4.70A	4.97A
Open-circuit Voltage (Voc)	21.8V	21.8V	21.8V
Short-circuit Current (Isc)	4.81A	5.11A	5.41A
Module Efficiency	14.6%	14.6%	14.7%
Operating Temperature	-40°C~+85°C		
Maximum System Voltage	600Vdc		
Maximum Series Fuse Rating	10A		
Power tolerance	±3%		

*STC condition: 1000 W/m²,1.5AM and 25°C cell temperature.



Temperature characteristics

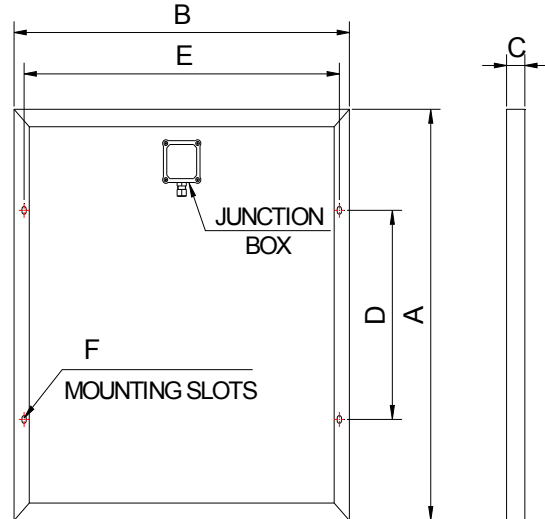
NOCT	46°C±2°C
Temperature Co-efficient of Pmax	-0.398%/°C
Temperature Co-efficient of Voc	-0.34%/°C
Temperature Co-efficient of Isc	0.0576%/°C

Mechanical characteristics

Model No.	SW080P	SW085P	SW090P
Cell Type	Polycrystalline silicon 156mm cutting		
Cell Arrangement	36(4*9)	36(4*9)	36(4*9)
Dimensions	830*660*25mm	880*660*25mm	930*660*25mm
Weight	6.0Kg	6.3Kg	6.7Kg
Front Cover	3.2mm tempered glass		
Frame Material	Anodized aluminium alloy		
Junction Box	IP65 rated		
Output Cables	Optional		
Connectors	Optional		

Dimensions

Model No.	SW080P	SW085P	SW090P
Unit: mm			
A	830	880	930
B	660	660	660
C	25	25	25
D	450	500	550
E	627	627	627
F	4-ø7*11	4-ø7*11	4-ø7*11



Packing

Model No.	SW080P	SW085P	SW090P
Packing method	Carton & Pallet	Carton & Pallet	Carton & Pallet
20'GP (Ref.)	1224	1225	1156
40'GP (Ref.)	2652	2652	2448

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