



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.	SW135P	SW140P
Maximum Power (Pmax)	135W	140W
Max-power Voltage (Vmp)	17.8V	18.1V
Max-power Current (Imp)	7.58A	7.73A
Open-circuit Voltage (Voc)	21.8V	22.1V
Short-circuit Current (Isc)	8.1A	8.27A
Module Efficiency	14.9%	14.9%
Operating Temperature	-40°C ~ +85°C	
Maximum System Voltage	800Vdc	
Maximum Series Fuse Rating	12A	
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

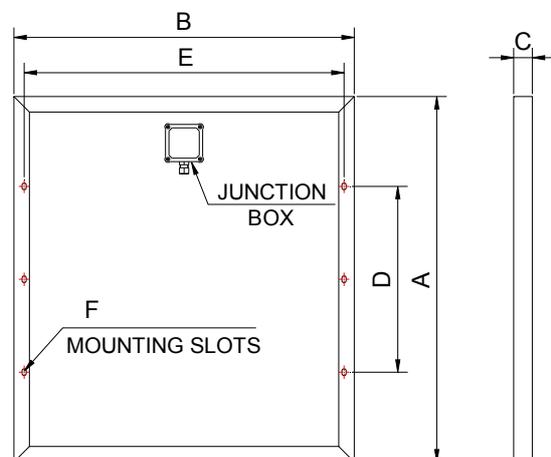
Mechanical characteristics

Model No.	SW135P	SW140P
Cell Type	Polycrystalline silicon 156mm cutting	
Cell Arrangement	36(4*9)	36(4*9)
Dimensions	1365*665*30mm	1415*665*30mm
Weight	10.5Kg	10.9Kg
Front Cover	3.2mm tempered glass	
Frame Material	Anodized aluminium alloy	
Junction Box	IP65 rated	
Output Cables	Optional	
Connectors	Optional	

Dimensions

Unit: mm

Model No.	SW135P	SW140P
A	1365	1415
B	665	665
C	30	30
D	965	1015
E	632	632
F	6-ø7*11	6-ø7*11



Packing

Model No.	SW135P	SW140P
Packing method	Carton & Pallet	Carton & Pallet
20'GP (Ref.)	672	560
40'GP (Ref.)	1344	1344

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