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Solar Panel Guide Specification Data Sheet

**DONGGUAN SUNWORTH NEW ENERGY TECH
CO.,LTD
SW095-100P
SW100P**

Also available on the web at
EnergyPal.com/dongguan-sunworth-new-energy-tech-co-ltd-solar-panels/sw100p



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.	SW095P	SW100P
Maximum Power (Pmax)	95W	100W
Max-power Voltage (Vmp)	18.2V	18.2V
Max-power Current (Imp)	5.22A	5.49A
Open-circuit Voltage (Voc)	22.1V	22.1V
Short-circuit Current (Isc)	5.70A	6.00A
Module Efficiency	14.2%	14.9%
Operating Temperature	-40°C~+85°C	
Maximum System Voltage	800Vdc	
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

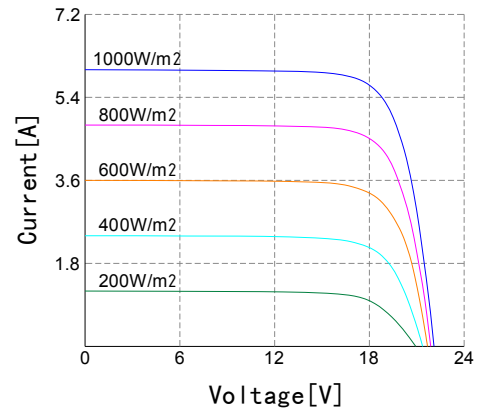
Mechanical characteristics

Model No.	SW095P/100P
Cell Type	Polycrystalline silicon 156*104mm
Cell Arrangement	36(4*9)
Dimensions	1005*665*30mm
Weight	7.5Kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	Optional
Connectors	Optional

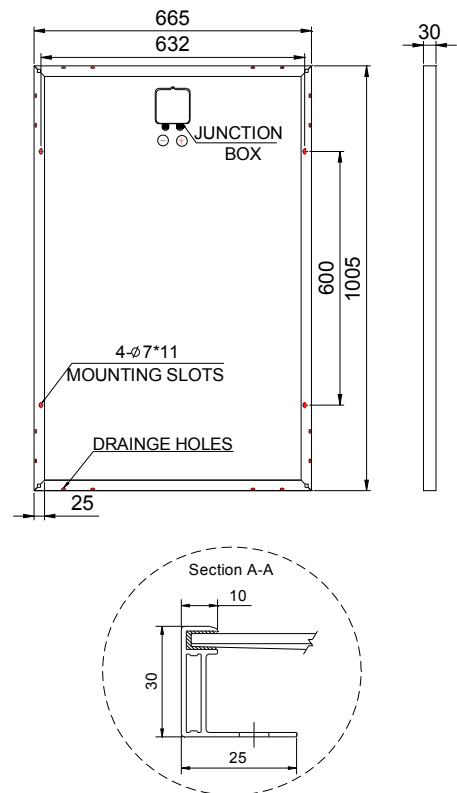
Packing

Packing	20'GP	40'GP
Pieces per Carton	2	2
Carton/Pallet	28	28
Pallet/Container	16	32
Pieces/container	896	1792

I-V Curve



Dimensions



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