

SOL MAGNA 300

GREEN ENERGY SYSTEMS

Green
Energy

ANTEK®

SOL MAGNA 300 MODELS

SOL MAGNA 300-240	240 Wp	SOL MAGNA 300-215	215 Wp
SOL MAGNA 300-235	235 Wp	SOL MAGNA 300-210	210 Wp
SOL MAGNA 300-230	230 Wp	SOL MAGNA 300-205	205Wp
SOL MAGNA 300-225	225 Wp	SOL MAGNA 300-200	200 Wp
SOL MAGNA 300-220	220 Wp		

EFFICIENCY

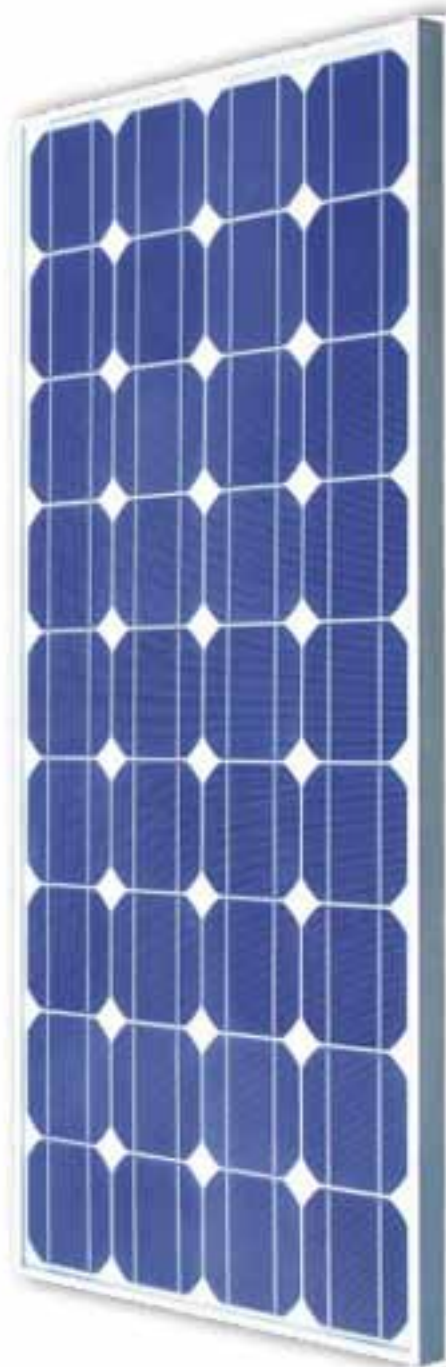
- Low voltage-temperature coefficient allows higher power output at high-temperature condition
- High efficient, high reliable solar cells ensure our product output stability

MATERIALS

- Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- Innovative, environmentally friendly packing method using pile-edges ensures modules arrive in perfect condition
- New frame design incorporating hexagonal shaped drainage holes, with more grounding holes, provide flexible installation and use

BENEFITS

- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-3%
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship



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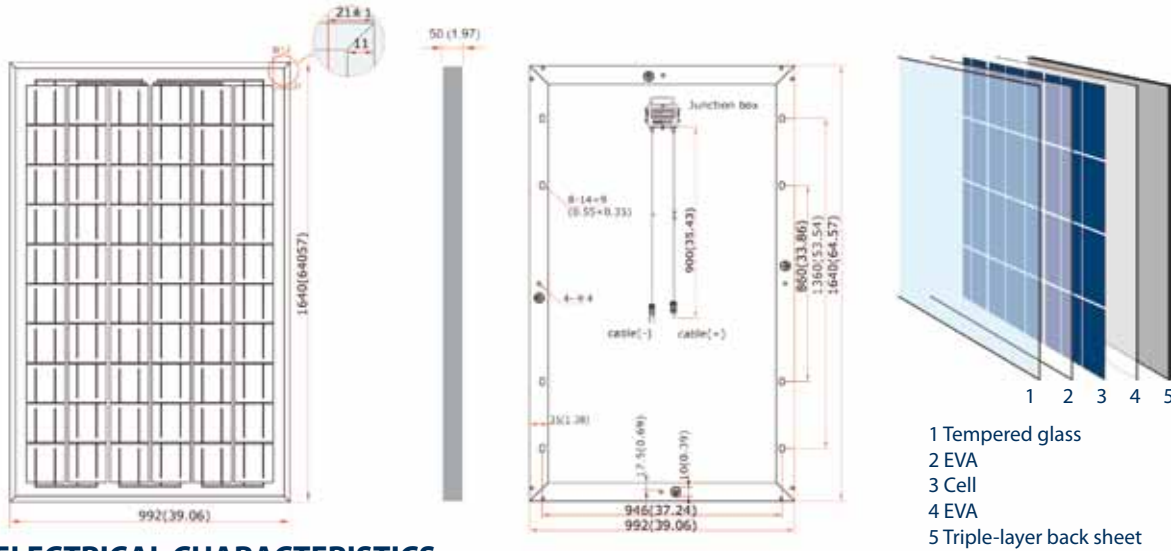
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SPECIFICATIONS

Model type	SM300-240	SM300-235	SM300-230	SM300-225	SM300-220	SM300-215	SM300-210	SM300-205	SM300-200
Peak power (Pmax)	240W	235W	230W	225W	220W	215W	210W	205W	200W
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	60 cells in series								
Weight	19,3 kg (42,61 lbs)								
Dimensions	1640x992x50 mm (64,57x39,06x1,97 inch)								
Maximum power voltage (Vmp)	29,40V	29,40V	29,40V	29,00V	29,00V	29,00V	28,75V	28,75V	28,75V
Maximum power current (Imp)	8,16A	7,99A	7,82A	7,75A	7,58A	7,41A	7,30A	7,13A	6,95A
Open circuit voltage (Voc)	36,50V	36,50V	36,50V	36,30V	36,30V	36,00V	36,00V	36,00V	36,00V
Short circuit current (Isc)	8,50A	8,30A	8,30A	8,10A	8,10A	8,10A	7,99A	7,80A	7,71A
Maximum system voltage	DC 1000V								
Temp. Coeff of Isc (TK Isc)	0,065 %/°C								
Temp. Coeff of Voc (TI < Voc)	-0,346 %/°C								
Temp. Coeff. of Pmax (TK Pmax)	-0,488 %/°C								
Normal Operating Cell Temperature	45,3±2°C								

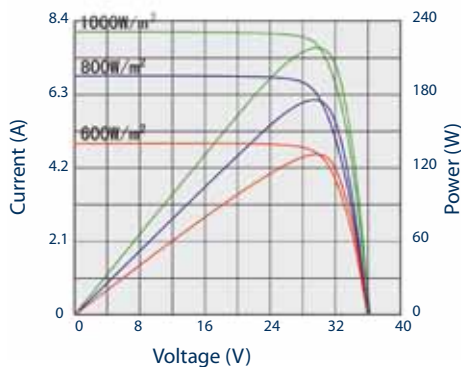
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.

PHYSICAL CHARACTERISTICS Unit: mm (inch)

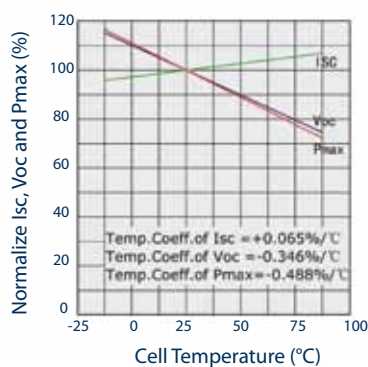


ELECTRICAL CHARACTERISTICS

Electrical performance
(cell temperature: 25°C)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature: 25°C)

