

SOLARPOWER-ON™ Series

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High-Efficiency Solar Photovoltaic Panel

Product Overview

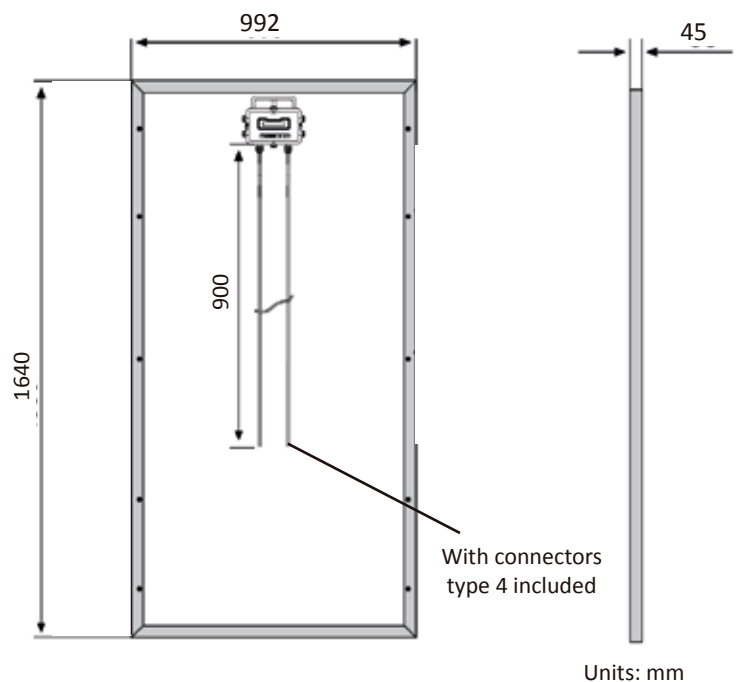
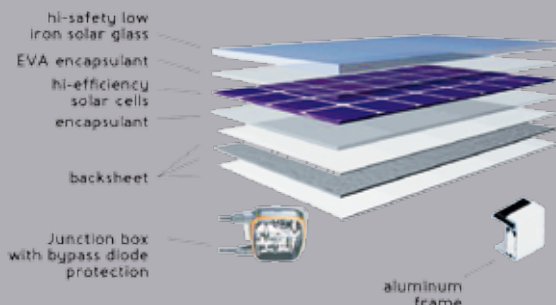
- Silicon Crystalline (c-Si) Solar PV modules
- High-quality, very reliable and high-performance
- 60-cells module
- Extendable. High power systems can be achieved connecting strings in parallel
- Includes pre-assembled solar cables with connectors type 4
- Ready to connect and use. Secure and easy wiring
- Corrosion resistant junction box to protect electrical connections
- Hardened protective glass protects the cells. Also the cells are embedded in transparent EVA (Ethylene-Vinyl-Acetate)
- Flash and Electroluminescence Tested
- Positive performance tolerance

Available Models

SOLARPOWER-ON 230W
SOLARPOWER-ON 250W

SOLARPOWER-ON Series - ISLANDERS

Pre-assembled Solar Cables with
Connectors type 4



Units: mm

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



SOLAR



WIND



MARINE
BOAT



CARAVAN
CAMPING



UPS-BACKUP
ENERGY



PROFESSIONAL



TELECOM
CATV



AGRICULTURAL



WORKS



TRAFFIC



Islanders™
Series

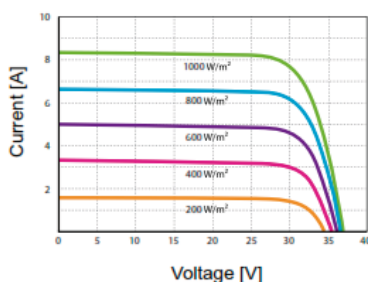
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SOLARPOWER-ON™ Series

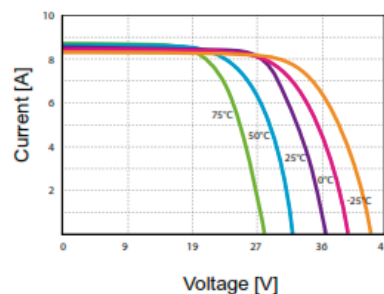
Specifications

Model	SOLARPOWER-ON 230W	SOLARPOWER-ON 250W
Electrical data –Specifications at Standard Test Conditions (STC): 1000W/m ² solar irradiance, AM 1.5, 25°C cell temperature		
Maximum Power Pmax	230W	250W
Open Circuit voltage Voc	35.80V	36.80V
Maximum Power Point Voltage Vmpp	30.10V	30.90V
Short Circuit Current Isc	8.25A	8.75A
Maximum Power Point Current Impp	7.64A	8.10A
Maximum Series Fuse Rating	10A	
Power Tolerance	0 ~ +3%	
Normal Operating Conditions Temperature NOCT	45°C ±2°C	
Temperature Coefficient of Power	-0.43%/°C	
Temperature Coefficient of Voc	-0.36%/°C	
Temperature Coefficient of Isc	+0.07% °C	
System integrated parameters		
Maximum System Voltage SCII	1000VDC	
Maximum Reverse Current	Do not apply external voltages larger than Voc to the module	
Cells	60 pcs.Hi-Quality Polycrystalline Silicon	
Dimensions	1640 x 992 x 45mm	
Net Weight	19.50 kg	
Preassembled Cable	1 x 4mm ² / 90cm (x2)	
Connector (included)	UNIVERSAL X4	
Frame	Aluminium hollow-chamber frame on each side	
Glass	Low-iron and tempered glass 3,2mm	
Cells Embedding	Transparent EVA (Ethylene-Vinyl-Acetate)	
Backsheet	TPT / TPE / BBF	
Junction Box	IP65	
Temperature Range	-40°C to +85°C	
Load Capacity	5400 Pa (IEC 61215)	
PowerGuarantee	12 years 90% / 30 years 80%	
Certificates	IEC61215 / IEC61730	

Module characteristics at constant module temperature of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant irradiance of 1000W/m²



IS-2006216-GAH



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