



xunzel™

applied Solar and Wind Energy™

PRODUCT NOTE

SOLARPOWER-ON™ Series

SOLARPOWER-ON™ Series - XUNZEL XUNZEL High-Efficiency Solar Photovoltaic Panel

Product Overview

- Ready to connect and use. Secure and easy wiring
- Includes pre-assembled solar cables with connectors
- 60-cells module
- Extendable. High power systems can be achieved connecting strings in parallel
- Silicon Crystalline (c-Si) Solar PV modules
- High-quality, very reliable and high-performance
- 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

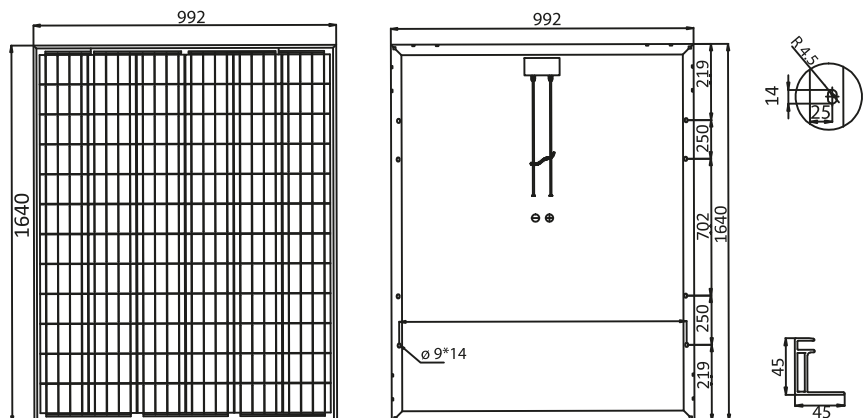
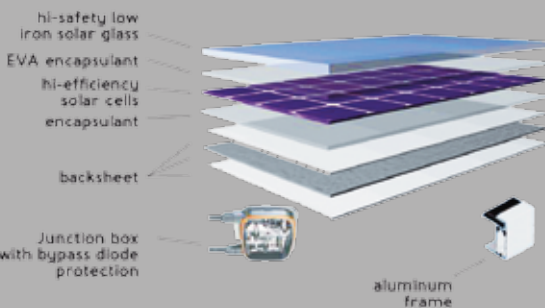
Available Models

SOLARPOWER-ON 230W
SOLARPOWER-ON 250W



SOLARPOWER-ON™ Series - XUNZEL

Preassembled Solar Cables with Connectors Included



XU-2I80427-JAH

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



info@xunzel.com
www.xunzel.com



xunzel™

PRODUCT
NOTE

applied Solar and Wind Energy™

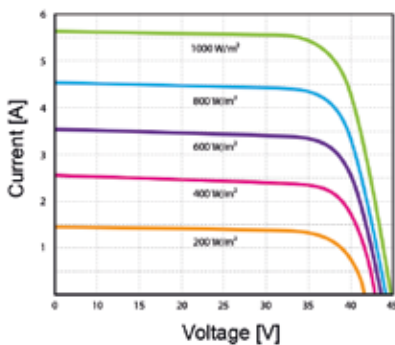
SOLARPOWER-ON™ Series

Specifications

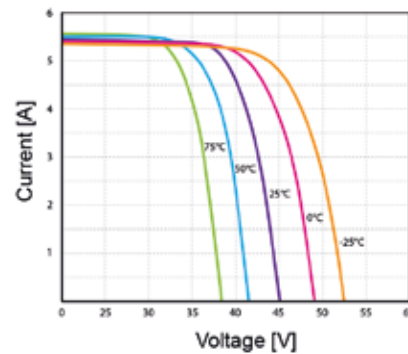
Model	SOLARPOWER-ON 230W	SOLARPOWER-ON 250W
Electrical data –Specifications at Standard Test Conditions (STC): 1000W/m² solar irradiance, AM 1.5, 25°C cell temperature		
Maximum Power Pmax[W]*	230	250
Open Circuit voltage Voc[V]	35.80	36.80
Maximum Power Point Voltage Vmpp[V]	30.10	30.90
Short Circuit Current Isc[A]	8.25	8.75
Maximum Power Point Current Impp[A]	7.64	8.10
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	
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 [mm]	1640 x 992 x 45	
Net Weight [kg]	19.50	
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)	
Power Guarantee	12 years 90% / 30 years 80%	
Certificates	IEC61215 / IEC61730	

*Positive Power Tolerance, as can be seen from the table above in the parameter "Power Tolerance".

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



XU-2180427-JA



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



info@xunzel.com
www.xunzel.com