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Solar Panel Guide Specification Data Sheet

Xunzel Xunzel Series 30w-12v

Also available on the web at
EnergyPal.com/xunzel-solar-panels/30w-12v



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PRODUCT NOTE

SOLARPOWER™ Series



SOLARPOWER™ Series –XUNZEL

SOLARPOWER™ Series – XUNZEL XUNZEL Off-Grid High-Efficiency Solar Photovoltaic Panel for Battery Charging

Product Overview

- Designed for Off-Grid & Off-Shore systems
- Ready to connect and use. Secure and easy wiring
- SOLARPOWER™ includes long pre-assembled solar cables ready to connect to the solar charge controller
- 36-cells modules, best option to charge 12V batteries (72-cells modules for 24V batteries)
- 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

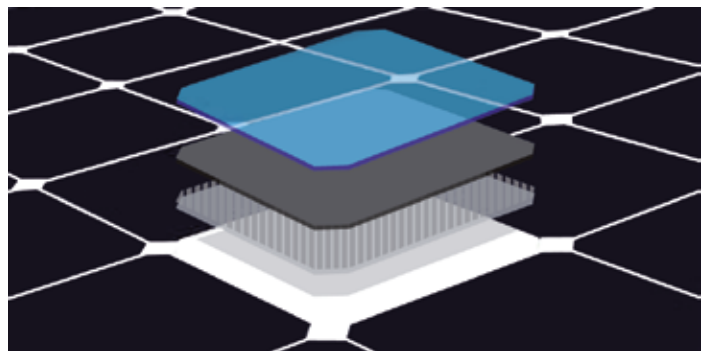
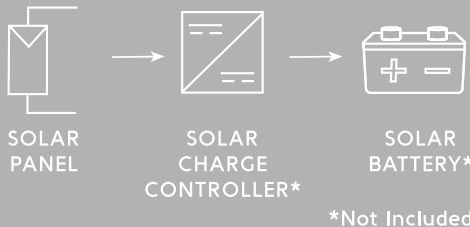
Available Models

SOLARPOWER 05W 12V
 SOLARPOWER 10W 12V
 SOLARPOWER 15W 12V
 SOLARPOWER 20W 12V
 SOLARPOWER 30W 12V

SOLARPOWER 60W 12V
 SOLARPOWER 80W 12V
 SOLARPOWER 120W 12V
 SOLARPOWER 185W 24V
 SOLARPOWER 240W 24V



Preassembled Solar Cables Included



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Specifications

Model	SOLARPOWER 05W 12V	SOLARPOWER 10W 12V	SOLARPOWER 15W 12V	SOLARPOWER 20W 12V	SOLARPOWER 30W 12V	SOLARPOWER 60W 12V	SOLARPOWER 80W 12V	SOLARPOWER 120W 12V	SOLARPOWER 185W 24V	SOLARPOWER 240W 24V	
Electrical data –Specifications at Standard Test Conditions (STC): 1000W/m² solar irradiance, AM 1.5, 25°C cell temperature											
Maximum Power Pmax [W]*	5	10	15	20	30	60	80	120	185	240	
Nominal voltage [V]	12							24			
Open Circuit voltage Voc [V]	21.80	22.70				23.0	22.70	44.50	44.20		
Maximum Power Point Voltage Vmpp [V]	18.10	18.30						36.50	36.20		
Short Circuit Current Isc [A]	0.30	0.58	0.90	1.16	1.74	3.48	4.63	6.95	5.37	7.21	
Maximum Power Point Current Imp [A]	0.28	0.55	0.82	1.09	1.64	3.28	4.37	6.56	5.07	6.63	
Maximum Series Fuse Rating	5A	10A									
Normal Operating Conditions Temperature NOCT	45°C ± 2°C										
Temperature Coefficient of Power	-0.38%/°C										
Temperature Coefficient of Voc	-0.29%/°C										
Temperature Coefficient of Isc	+0.086%/°C										
System integrated parameters											
Maximum System Voltage SCII	1000VDC										
Maximum Reverse Current	Do not apply external voltages larger than Voc to the module										
Cells	36 pcs. Hi-Quality Polycrystalline Silicon								72 pcs. Hi-Quality Polycrystalline Silicon		
Dimensions [mm]	270 x 185 x 18	265 x 350 x 25	350 x 350 x 25	415 x 350 x 25	604 x 350 x 25	626 x 674 x 30	768 x 676 x 35	1158 x 676 x 35	1236 x 992 x 35	1690 x 990 x 45	
Net Weight [kg]	0.71	1.20	1.45	1.90	2.50	5.60	6.70	9.50	13.20	20.10	
Preassembled Solar Cable	Single solar cable 2-core: 2 x 1.5mm ² / 2m Pre-cut 1.5mm					2 solar cables I-core: 4mm ² / 4m Pre-cut 1.5mm		2 solar cables I-core 6mm ² /4m Pre-cut 1.5mm			
Frame	High quality anodized aluminum										
Front	Low-iron and tempered glass 32mm (EN 12150)										
Cells Embedding	Transparent EVA (Ethylene-Vinyl-Acetate)										
BackFoil	High-quality plastic film. TPT/TPE/BBF										
Junction Box	IP65										
Certificates	IEC 61215 / IEC 61730										

*Positive Power Tolerance.

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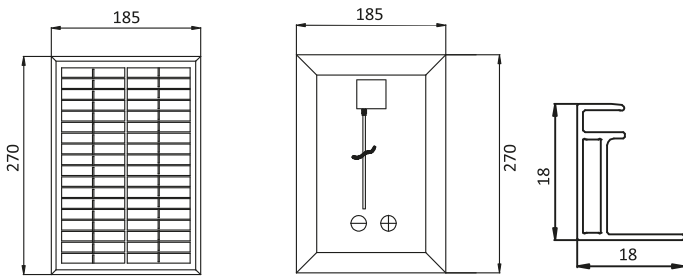
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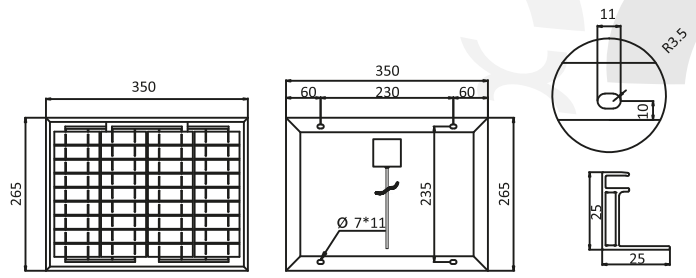
SOLARPOWER™ Series

Specifications

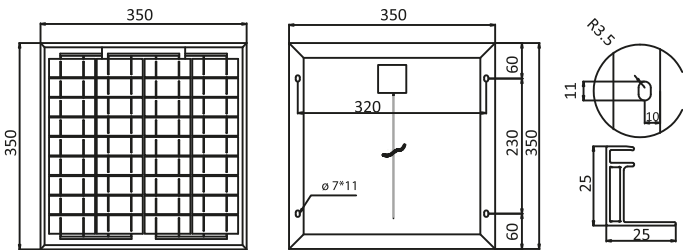
SOLARPOWER 05W I2V



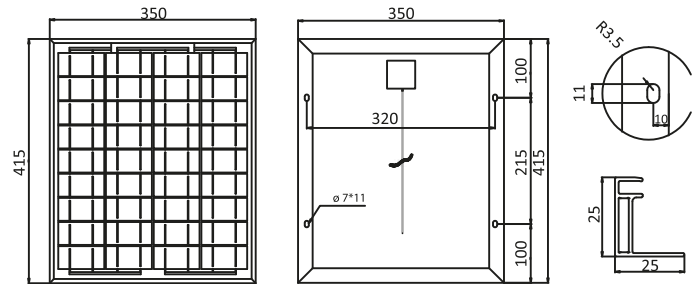
SOLARPOWER 10W I2V



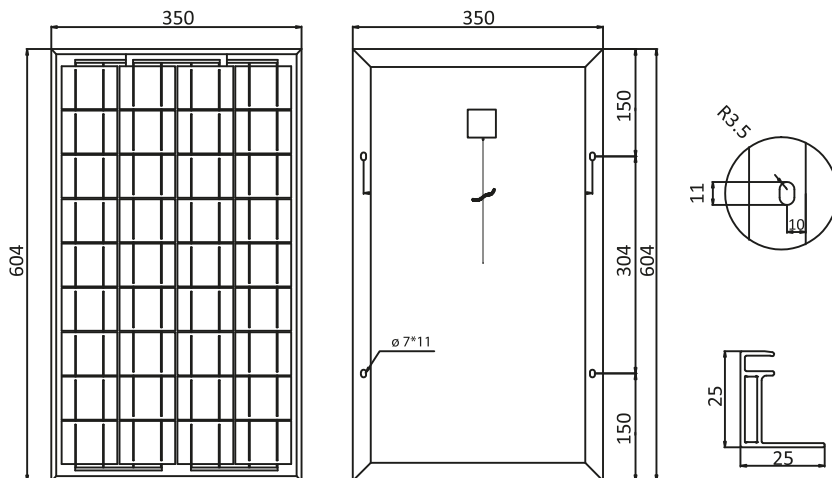
SOLARPOWER 15W I2V



SOLARPOWER 20W I2V



SOLARPOWER 30W I2V



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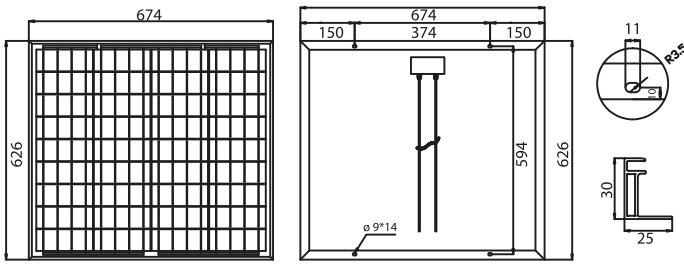
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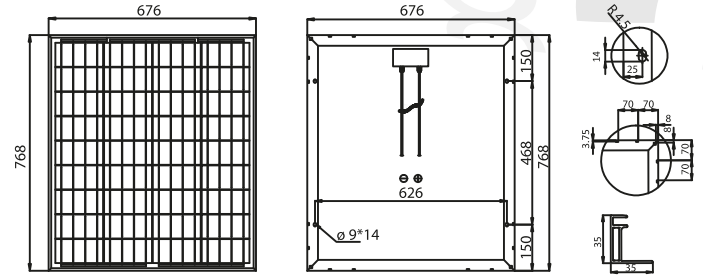
SOLARPOWER™ Series

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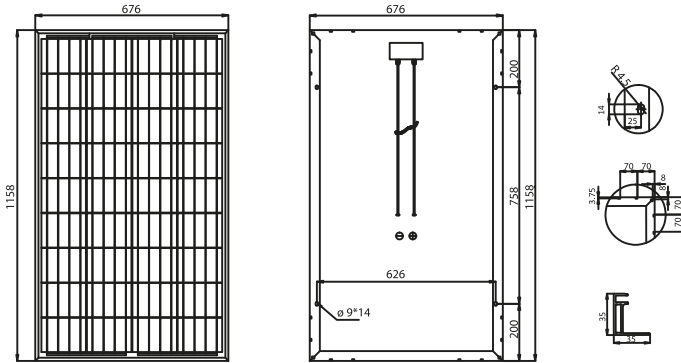
SOLARPOWER 60W 12V



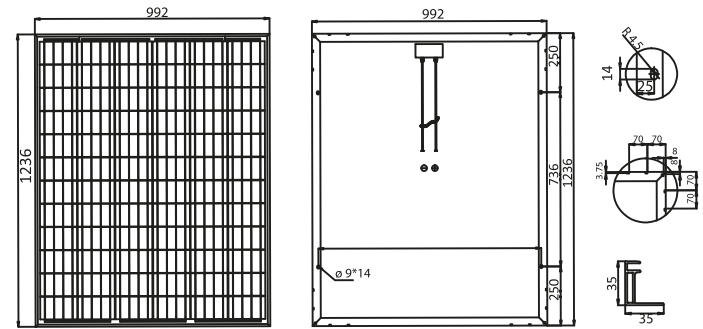
SOLARPOWER 80W 12V



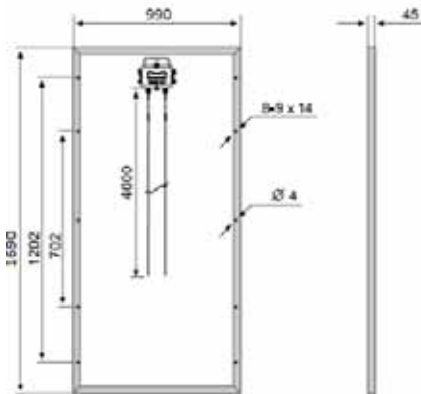
SOLARPOWER 120W 12V



SOLARPOWER 185W 24V



SOLARPOWER 240W 24V



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