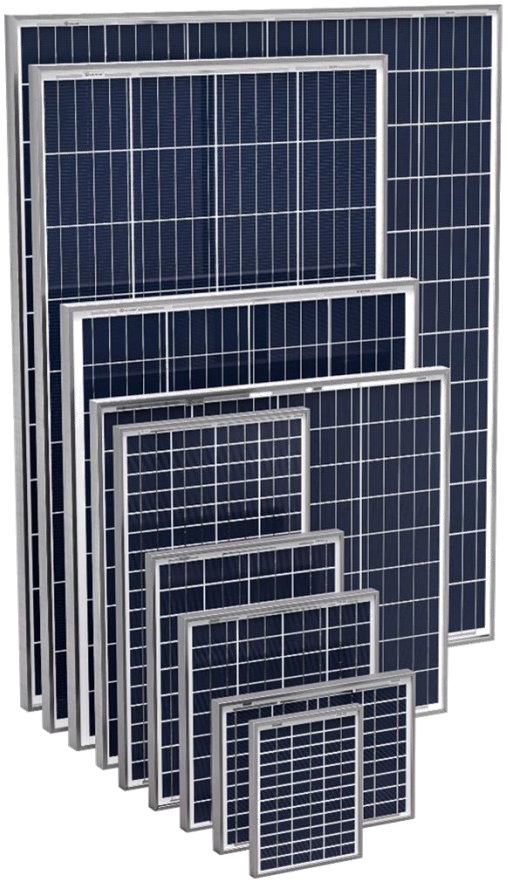
SOLARPOWER™ Series. Photovoltaic solar panel Battery Chargers and Maintainers.



SOLARPOWER™ Series - XUNZEL

High-Efficiency Solar Photovoltaic Panel Battery Chargers and Maintainers.
With solar cable pre-assembled.
Designed for Off-Grid, Off-Shore and Back-Up Systems.

Product Overview

- Specially **Designed to charge 12V, 24V and 48V batteries** with maximum efficiency. Designed for Off-Grid and Off-Shore systems.
- **High-Quality materials,** reliability and excellent performance for all weather conditions. IT WORKS!
- **Solar Cable included and pre-installed**. No need to purchase cable separately.
- Easy to install and **Ready-to-Connect** directly to the solar charge controller. Secure.
- Thin and Lightweight.
- Completely Waterproof and Weatherproof junction box. Corrosion resistant junction box to protect electrical connections.
- Expandable. Higher power systems can be achieved easily connecting more strings in parallel (for more current) or series (for more voltage).
- High quality Silicon Crystalline (c-Si) Solar PV modules.
- Hardened protective glass protects the cells.
- Aluminum Frame with marine grade durability.
- **100% Individually Certified and Tested** (Flash Test + EL Test)
- Aluminum Frame with marine grade durability.
- **Secure Individual Packaging** ready to transport the panels anywhere.





SOLARPOWER 5W to 30W | 12V
include 2m single cable (2 core)



SOLARPOWER 60W to 190W
include 4m cable (2-cable)



SOLARPOWER 20W-24V and
30W-24W **with integrated bracket**

Models

SOLARPOWER	5W | 12V | pre-installed cable 200cm
SOLARPOWER	10W | 12V | pre-installed cable 200cm
SOLARPOWER	15W | 12V | pre-installed cable 200cm
SOLARPOWER	20W | 12V | pre-installed cable 200cm
SOLARPOWER	20W | 24V | pre-installed cable 400cm + integrated bracket
SOLARPOWER	30W | 12V | pre-installed cable 200cm
SOLARPOWER	30W | 24V | pre-installed cable 400cm + integrated bracket
SOLARPOWER	60W | 12V | pre-installed cable 400cm
SOLARPOWER	80W | 12V | pre-installed cable 400cm
SOLARPOWER	120W | 12V | pre-installed cable 400cm
SOLARPOWER	185W | 24V | pre-installed cable 400cm
SOLARPOWER	190W | 12V | pre-installed cable 400cm

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

SOLAR · WIND · UPS- BACKUP ENERGY · CARAVAN CAMPING · AUTOMOTIVE MOBILE · MARINE OFF-SHORE · LIGHTING · TELECOM SMART CITY · MOBILITY INFRASTRUCTURE · ELECTRONICS IoT · INDUSTRY · AGRICULTURAL SMART FARM · HOME · SECURITY · AUTOMATION · GARDEN TERRACE

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SOLARPOWER™ Series. Photovoltaic solar panels for Battery charging

Specifications

Model	SOLARPOWER-5W - 12V	SOLARPOWER-10W - 12V	SOLARPOWER-15W - 12V	SOLARPOWER-20W - 12V	SOLARPOWER-20W - 24V	SOLARPOWER-30W - 12V	SOLARPOWER-30W - 24V	SOLARPOWER-60W - 12V	SOLARPOWER-80W - 12V	SOLARPOWER-120W - 12V	SOLARPOWER-185W - 24V	SOLARPOWER-190W - 12V
Maximum Power Pmax [W]	**5**	**10**	**15**	**20**	**20**	**30**	**30**	**60**	**80**	**120**	**185**	**190**
Nominal Voltage [VDC]	12	12	12	12	24	12	24	12	12	12	24	12
Open Circuit Voltage VOC [VDC]	22.00	21.20	22.00	21.96	43.20	22.00	43.20	22.70	23.00	22.70	43.95	23.60
Maximum Power Point Voltage VMPP [VDC]	18.00	17.60	18.70	18.30	36.00	18.70	36.00	18.30	18.30	18.30	36.50	19.58
Short-Circuit Current ISC [ADC]	0.30	0.61	0.85	1.21	0.61	1.73	0.92	3.48	4.63	6.95	5.39	9.85
Maximum Power Point Current IMPP [ADC]	0.28	0.57	0.81	1.09	0.56	1.60	0.83	3.28	4.37	6.56	5.07	9.71
Maximum System Voltage SCII [VDC]	600	600	600	600	1000	600	1000	600	1000	1000	1000	1000
Dimensions (mm)	240x 180x 17	340x 240x 25	345x 340x 25	420x 340x 25	420x 340x 24	604x 340x 25	505x 430x 25	674x 604x 30	768x 676x 35	1158x 676x 35	1230x 992x 35	1010x 992x 35
Net Weight (kg)	0.60	1.00	1.40	1.60	2.00	2.20	2.80	5.10	6.70	9.30	13.80	11.50
Pre-assembled Cables	Cable 2 meters 2x 0.75 mm^2 (red+black) (2 core)		Cable 2 meters 2x 1.00 mm^2 (red+black) (2-core) SOLARPOWER-20-24 Y 30-25: 2x 0.75 mm^2					Cable 4 meters 2 x 4 mm^2 (red + black) (2-cables)				
Junction Box	IP65-67											
Operating Temperature Range	-40°C ~ +85°C (-40°F ~ +185°F)											
Normal Operating Conditions Temp. NOCT	45 ± 2°C											
Temperature Coefficient of Power	- 0.39% %/K											
Temperature Coefficient of Current	+ 0.05%/K											
Temperature Coefficient of Voltage	- 0.29%/K											
Bypass Schottky Diode	1 pc										2 pcs	
Anodized Aluminum Frame | Low-iron and tempered glass 32mm (EN 12150) | Transparent EVA (Ethylene-Vinyl-Acetate) | High-quality film TPT / TPE /BBF | Cells interconnection with hi-purity copper 99,97%												
Manufactured and Tested according to IEC 61215 / IEC 61730 | Electrical data – Specifications at Standard Test Conditions (STC): 1000W/m_2 solar irradiance, AM 1.5, 25 °C cell temperature												
PLUS	SOLARPOWER 20W-24V y 30W-24V models with integrated bracket											

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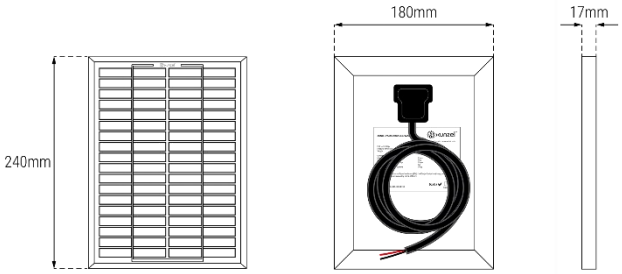
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SOLARPOWER™ Series. Photovoltaic solar panels for Battery charging

Drawings (mm)

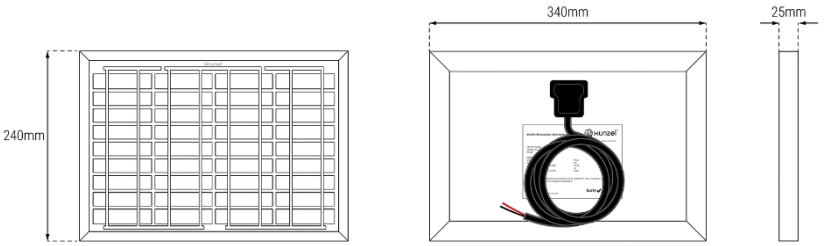
SOLARPOWER-5W-12V

240 x 180 x 17 mm



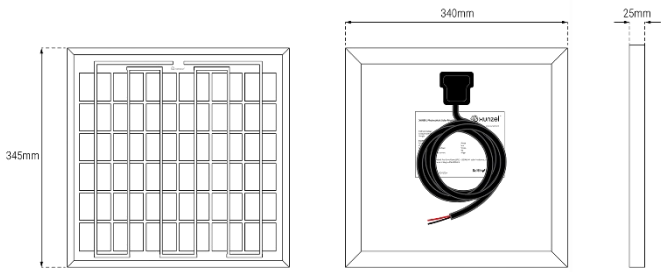
SOLARPOWER-10W-12V

340 x 240 x 25 mm



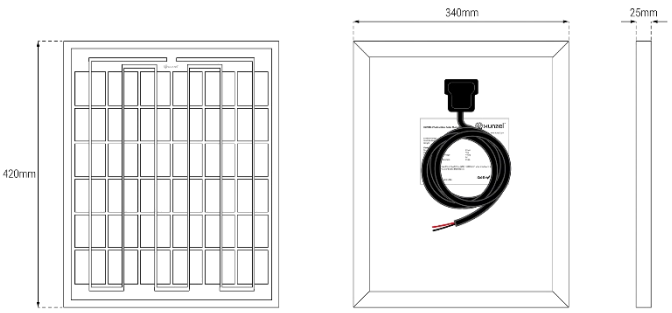
SOLARPOWER-15W-12V

345 x 340 x 25 mm



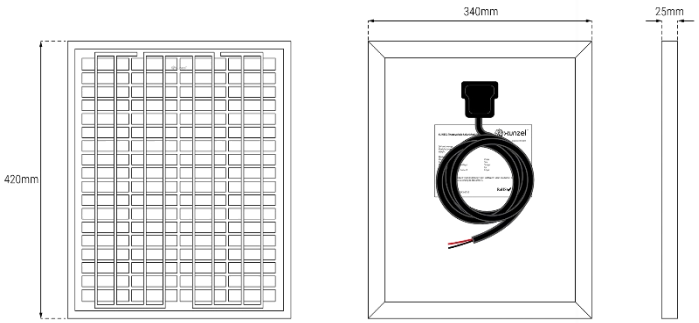
SOLARPOWER-20W-12V

420 x 340 x 25 mm



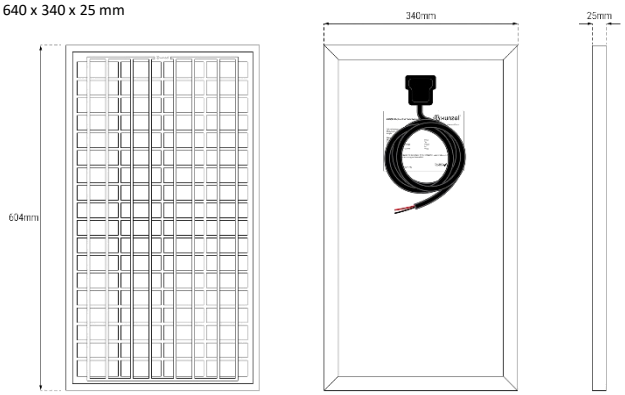
SOLARPOWER-20W-24V

420 x 340 x 25 mm



SOLARPOWER-30W-12V

640 x 340 x 25 mm



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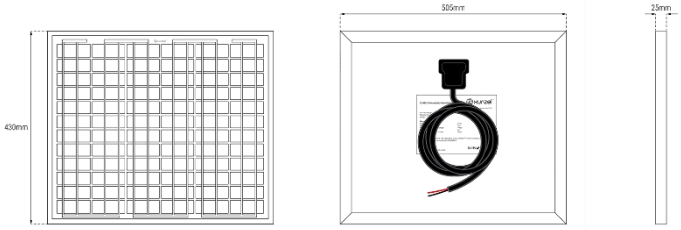
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Drawings (mm)

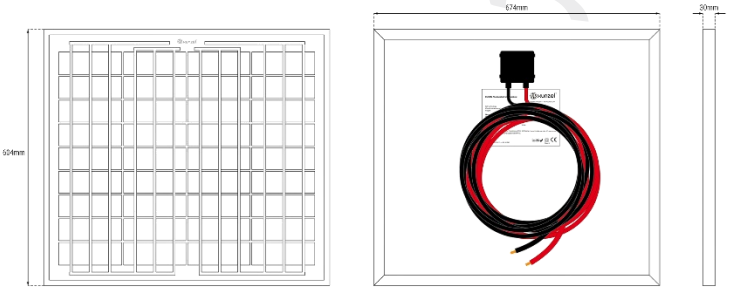
SOLARPOWER-30W-24V

505 x 430 x 25 mm



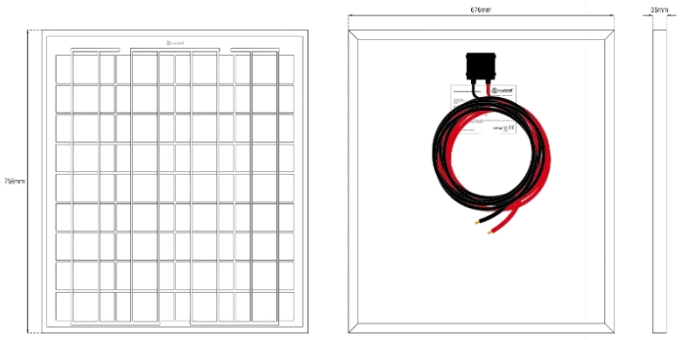
SOLARPOWER-60W-12V

674 x 604 x 30 mm



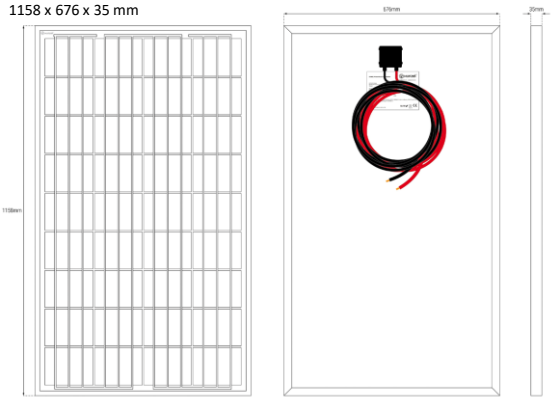
SOLARPOWER-80W-12V

768 x 676 x 35 mm



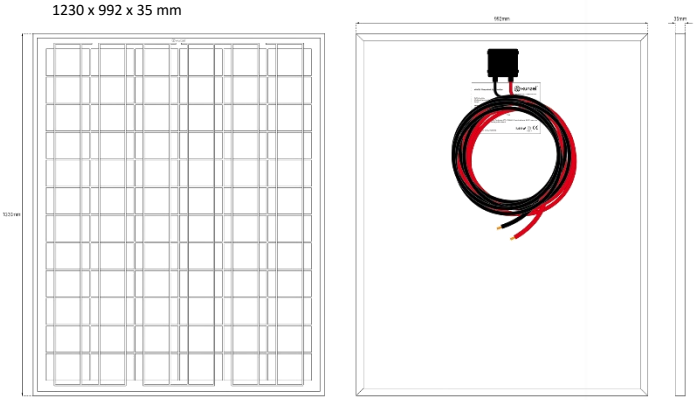
SOLARPOWER-120W-12V

1158 x 676 x 35 mm



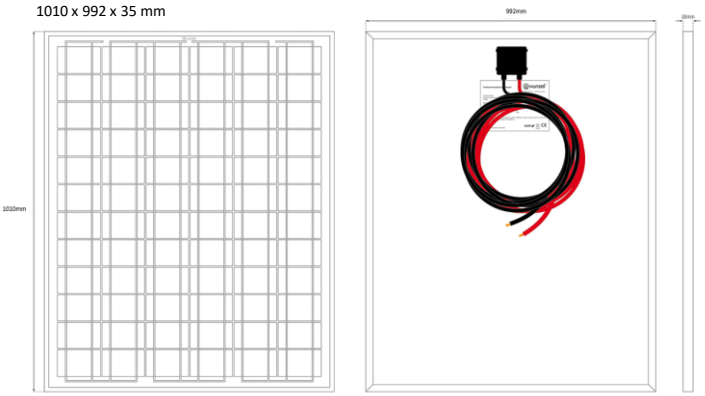
SOLARPOWER-185W-24V

1230 x 992 x 35 mm



SOLARPOWER-190W-12V

1010 x 992 x 35 mm



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