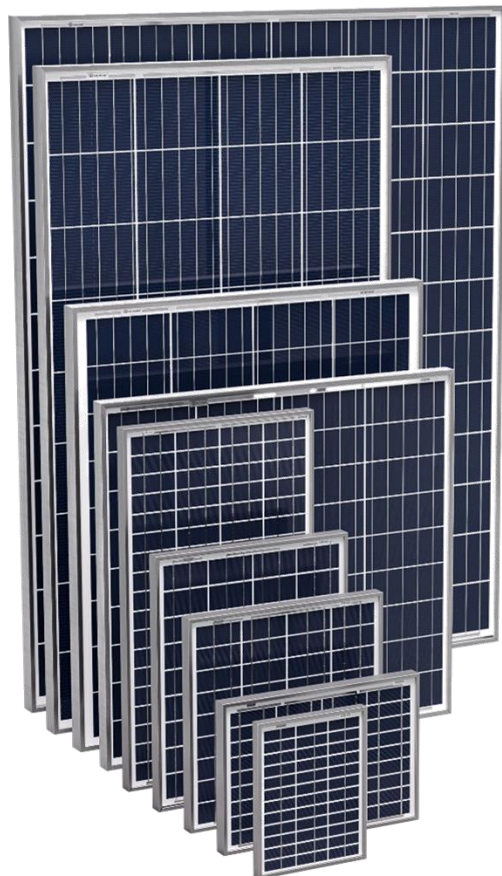


SOLARPOWER™ Series. Pannel Solar Fotovoltaico Carregadores e Mantenedores de Bateria



SOLARPOWER™ Series - XUNZEL

Painéis solares fotovoltaicos de Alta Eficiência para carregamento e manutenção de baterias em sistemas Off-Grid, Off-Shore e Back-Up.

Com cabo solar pré-montado.

Descrição

- **Especialmente concebido para o carregamento e manutenção de baterias** com a máxima eficiência. Concebido para sistemas isolados Off-Grid e Off-Shore e Back-Up.
- **Materiais de alta qualidade**, fiabilidade e excelente desempenho para todas as condições climáticas.
- **Cabo Solar incluído e pré-instalado**. Não há necessidade de adquirir o cabo separadamente. Reduz o risco de erros.
- **Fácil de instalar e pronto a ligar** diretamente ao controlador de carga. Seguro..
- **Robusto, fino e leve**.
- **Caixa de ligação estanque e resistente às intempéries**. Protege as ligações eléctricas.
- **Facilmente expansível**. Os sistemas de maior potência podem ser facilmente alcançados ligando mais painéis em paralelo (para mais corrente) ou em série (para mais tensão).
- **Células solares fotovoltaicas de muito alta eficiência** e qualidade de silício cristalino (c-Si). Com **Tolerância Positiva**.
- **Vidro solar frontal reforçado**, de alta resistência, de alta segurança, purificado, temperado e laminado.
- **Estrutura em alumínio anodizado** de alta duração et de grau marinho.
- **100% de los paneles probados y testados** (Flash-Test y EL)
- **100% Certificado Individualmente e Testado antes do envio** (Teste Flash + Teste EL)
- **Embalagem Individual Segura**, pronta para enviar para qualquer lugar.



SOLARPOWER 5W -> 30W | 12V
inclui 2m



SOLARPOWER 60W -> 190W
inclui 4m cabo (2-cables)



SOLARPOWER 20W-24V y 30W-24V
com suporte integrado e 4m. de cabo.



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 + suporte U integrado
SOLARPOWER	30W 12V pre-installed cable 200cm
SOLARPOWER	30W 24V pre-installed cable 400cm + suporte U integrado
SOLARPOWER	60W 12V pre-installed cable 400cm
SOLARPOWER	80W 12V pre-installed cable 400cm
SOLARPOWER	120W 12V pre-installed cable 400cm
SOLARPOWER	100W 24V 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



SOLARPOWER™ Series. PAINEL Solar Fotovoltaico Carregadores e Mantenedores de Bateria.

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-100W - 24V	SOLARPOWER-120W - 12V	SOLARPOWER-185W - 24V	SOLARPOWER-190W - 12V
Code Order Part Number	SOLZTK5	SOLZTK10	SOLZTK15	SOLZTK20	SOLZTK2024V	SOLZTK30	SOLZTK3024V	SOLZTK60	SOLZTK80	SOLZTK10024	SOLZTK120	SOLZTK185	SOLZTK190
Maximum Power P _{max} [Wp]	5	10	15	20	20	30	30	60	80	100	120	185	190
Nominal Voltage [VDC]	12	12	12	12	24	12	24	12	12	24	12	24	12
Open Circuit Voltage VOC [VDC]	21.20	21.20	22.00	21.20	43.20	22.00	43.20	20.20	23.00	44.95	23.80	47.55	23.60
Maximum Power Point Voltage VMPP [VDC]	18.00	18.00	18.70	18.00	36.00	18.70	36.00	18.70	18.30	38.31	20.10	39.79	19.58
Short-Circuit Current ISC [ADC]	0.30	0.59	0.85	1.20	0.61	1.73	0.92	3.46	4.63	2.67	6.36	4.95	9.85
Maximum Power Point Current IMPP [ADC]	0.28	0.56	0.81	1.12	0.56	1.60	0.83	3.21	4.37	2.61	5.98	4.65	9.71
Maximum System Voltage SCII [VDC]	600	600	600	600	1000	600	1000	600	1000	1000	1000	1000	1000
Dimensions (mm)	240x180x18	340x240x25	345x340x25	420x340x25	420x340x25	604x340x25	505x430x25	674x604x30	768x676x35	800x680x35	1020x676x35	1020x986x35	1020x1000x35
Net Weight (kg)	0.60	1.00	1.40	1.60	2.00	2.20	2.80	5.10	6.70	5.80	7.80	11.40	11.80
Pre-assembled Cables (red "+" and black "-")	1 Cable (2-cores) 200cm 2x 1.00mm ² (SOLARPOWE 20W-24V y 30W-24V: 1 Cable (2-cores) 400cm 2x 0.75mm ²)							2 Cables 400cm (red "+" and black "-") 2 x 4.00mm ²					
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 Current Voltage	- 0.35%/K + 0.05%/K - 0.27%/K												
Maximum Series Fuse Rating	12A							12A					
Maximum Reverse Current	12A							20A					
Bypass Schottky Diode	1 pc							2 pcs					
Materials	Frame: Anodized Aluminum Alloy Solar Glass: 3.2mm AR Coating Low-iron and tempered (EN 12150) Mechanical Load 5400Pa Encapsulant: Transparent EVA (Ethylene-Vinyl-Acetate) High-quality film TPT / TPE /BBF Solar Cells interconnection with hi-purity copper 99,98%												
Standards	CE UKCA RoHs3 and REACH Compliant Hg Free WEEE Compliant Manufactured and Tested according to IEC 61215 / IEC 61730 Electrical data – Specifications at Standard Test Conditions (STC): 1000W/m² solar irradiance, AM 1.5, 25 °C cell temperature												
PLUS	SOLARPOWER 20W-24V y 30W-24V models with integrated U-shape bracket												



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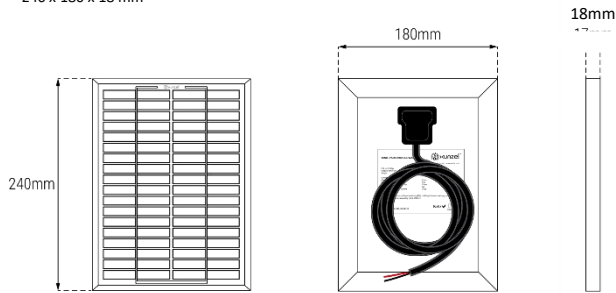
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SOLARPOWERTM Series. Pannel Solar Fotovoltaico Carregadores e Mantenedores de Bateria.

Drawings (mm)

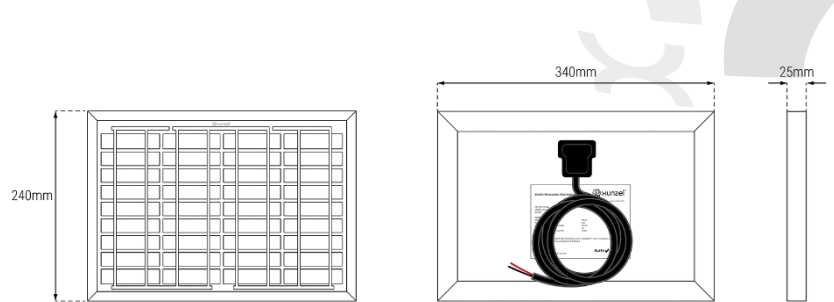
SOLARPOWER-5W-12V

Code | Order Part Number: SOLZTK5
240 x 180 x 18 mm



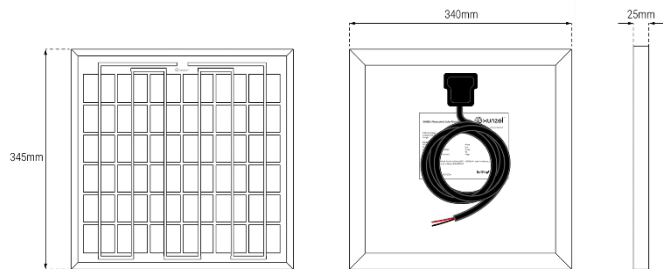
SOLARPOWER-10W-12V

Code | Order Part Number: SOLZTK10
340 x 240 x 25 mm



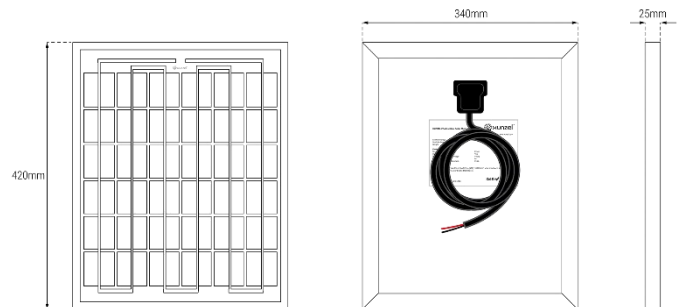
SOLARPOWER-15W-12V

Code | Order Part Number: SOLZTK15
345 x 340 x 25 mm



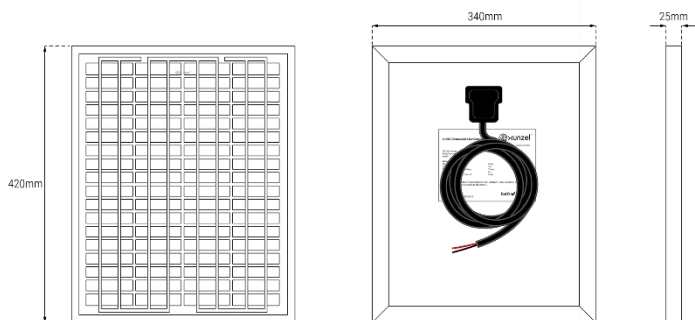
SOLARPOWER-20W-12V

Code | Order Part Number: SOLZTK20
420 x 340 x 25 mm



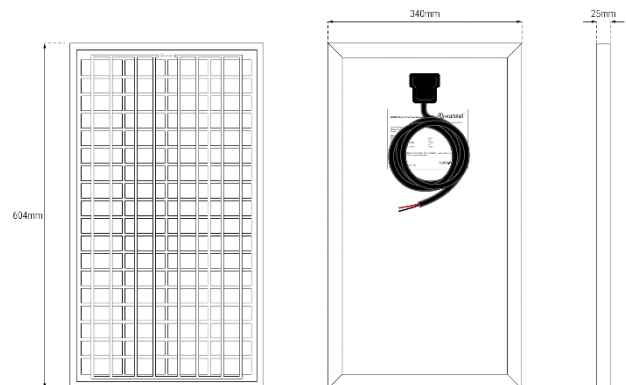
SOLARPOWER-20W-24V

Code | Order Part Number: SOLZTK2024Y
420 x 340 x 25 mm



SOLARPOWER-30W-12V

Code | Order Part Number: SOLZTK30
604 x 340 x 25 mm



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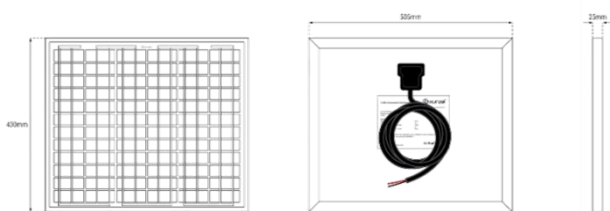
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SOLARPOWERTM Series. Pannel Solar Fotovoltaico Carregadores e Mantenedores de Bateria.

Drawings (mm)

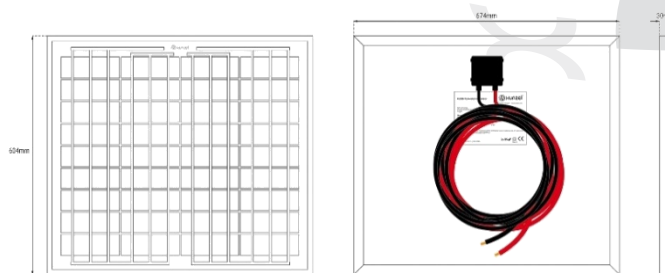
SOLARPOWER-30W-24V

Code | Order Part Number: SOLZTK3024Y
505 x 430 x 25 mm



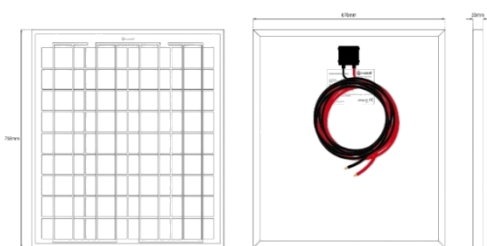
SOLARPOWER-60W-12V

Code | Order Part Number: SOLZTK60
674 x 604 x 30 mm



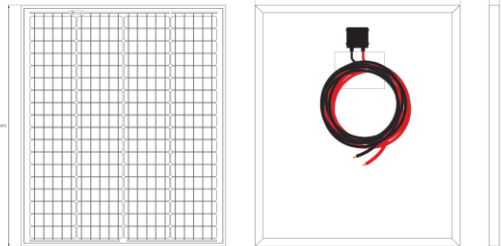
SOLARPOWER-80W-12V

Code | Order Part Number: SOLZTK80
768 x 676 x 35 mm



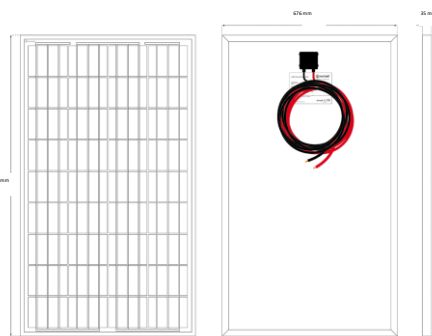
SOLARPOWER-100W-24V

Code | Order Part Number: SOLZTK10024
800 x 680 x 35 mm



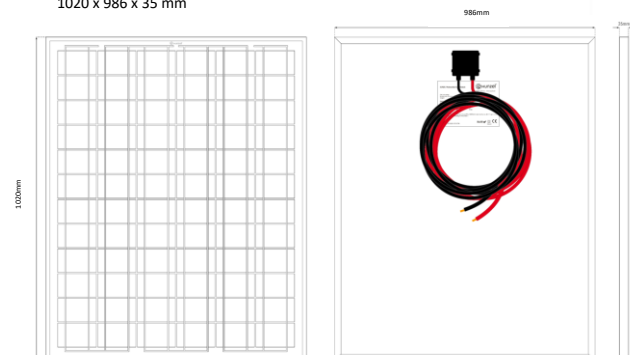
SOLARPOWER-120W-12V

Code | Order Part Number: SOLZTK120
1020 x 676 x 35 mm



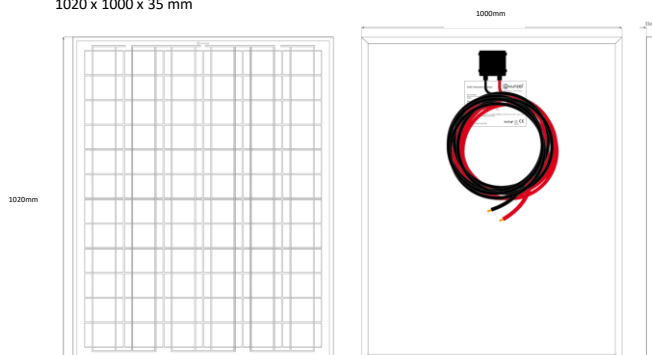
SOLARPOWER-185W-24V

Code | Order Part Number: SOLZTK185
1020 x 986 x 35 mm



SOLARPOWER-190W-12V

Code | Order Part Number: SOLZTK190
1020 x 1000 x 35 mm



SOLARPOWER™ Series. Paine Solar Fotovoltaico Carregadores e Mantenedores de Bateria.

SOLARPOWER-5W-12V

Code | Order Part Number: SOLZTK5
240 x 180 x 18 mm



SOLARPOWER-10W-12V

Code | Order Part Number: SOLZTK10
340 x 240 x 25 mm



SOLARPOWER-15W-12V

Code | Order Part Number: SOLZTK15
345 x 340 x 25 mm



SOLARPOWER-20W-12V

Code | Order Part Number: SOLZTK20
420 x 340 x 25 mm



SOLARPOWER-20W-24V

Code | Order Part Number: SOLZTK2024Y
420 x 340 x 25 mm



SOLARPOWER-30W-12V

Code | Order Part Number: SOLZTK30
604 x 340 x 25 mm



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SOLARPOWER™ Series. Pannel Solar Fotovoltaico Carregadores e Mantenedores de Bateria.

SOLARPOWER-30W-24V

Code | Order Part Number: SOLZTK3024Y
505 x 430 x 25 mm



SOLARPOWER-60W-12V

Code | Order Part Number: SOLZTK60
674 x 604 x 30 mm



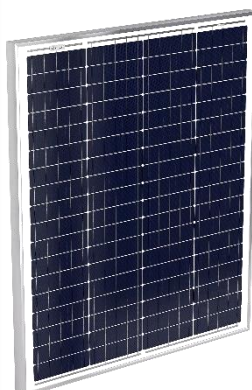
SOLARPOWER-80W-12V

Code | Order Part Number: SOLZTK80
768 x 676 x 35 mm



SOLARPOWER-100W-24V

Code | Order Part Number: SOLZTK10024
800 x 680 x 35 mm



SOLARPOWER-120W-12V

Code | Order Part Number: SOLZTK120
1020 x 676 x 35 mm



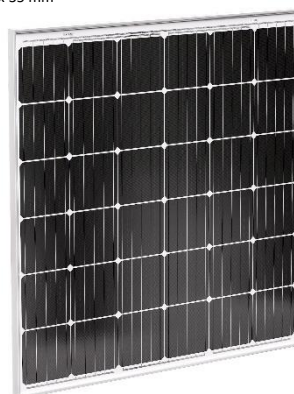
SOLARPOWER-185W-24V

Code | Order Part Number: SOLZTK185
1020 x 1000 x 35 mm



SOLARPOWER-190W-12V

Code | Order Part Number: SOLZTK190
1020 x 1000 x 35 mm



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