



xunzel™

applied Solar and Wind Energy

PRODUCT NOTE

SOLARVANN™ Series

Integrated Fixing Support



Solar Module



Dual Solar Charge Controller



6m Pre-assembled Solar Cable



Cable-pass



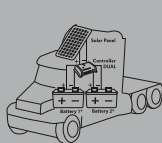
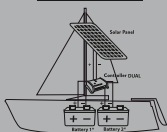
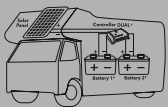
Installation Guide

**MAINTENANCE FREE,
EASY TO INSTALL,
EASY TO EXPAND.**

RV and CARAVAN

MARINE

TRUCKS



SOLAR PANEL



DUAL SOLAR CHARGE CONTROLLER



SOLAR BATTERY 1*



SOLAR BATTERY 2*

*Not included



GARDEN



HOME



CARAVAN



MARINE

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

SOLARVANN™ Series - XUNZEL

XUNZEL Complete Solar KIT for Dual Battery Charging

Product Overview

- Charges two batteries from free silent solar energy in any location
- Plug & play. Easy-to-install. Ready-to-use
- Fit & Forget. Resistant & Maintenance free
- Lightweight. Easily Expandable
- Ideal for charging both a leisure battery and a engine battery in RVs, motorhomes, caravans, boats, etc. and other installations that require simultaneous battery charging of two separate batteries

All included

- Integrated Support
- 12V PV Solar Module with pre-assembled 6m solar cable
- Cable-pass
- Dual Solar Charge Controller

PV Solar Module

- High-efficiency Off-Grid & Off-Shore c-Si PV Solar module. Specially designed for 12V battery charging
- Ready to connect and use. Safe & Easy wiring
- With long pre-assembled solar cables
- High-quality, very reliable and high-performance
- Hardened protective glass, lightweight aluminum frame and corrosion resistant junction box with bypass diode protection to protect against battery discharge at night

Dual Solar Charge Controller

- 10A 12V/24V Dual Solar Charge Controller to charge two independent batteries
- Easily configurable: charging priority, battery type and charging frequency
- 4-stage PWM charging method
- Negative grounding
- Protections: over current, short circuit, reverse current and reverse polarity connection of the solar panels and/or battery

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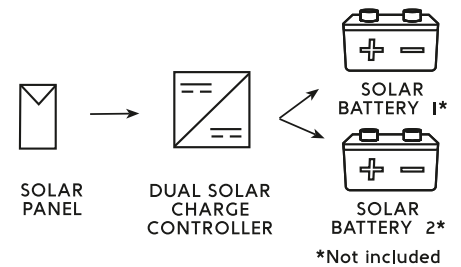


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SOLARVANN™ Series

Specifications - Solar Module

SOLARVANN™ Series	PV Solar Module
Specifications at Standard Test Conditions (STC): 1000W/m ² solar irradiance, AM 1.5, 25°C cell temperature	
Maximum Power Pmax	100W
Nominal voltage	12V
Open Circuit voltage Voc	22.7V
Maximum Power Point Voltage Vmpp	18.35V
Short Circuit Current Isc	5.80A
Maximum Power Point Current	5.45A
Cells	36 pcs. Hi-Quality Mono-crystalline Silicon
Dimensions	1195 x 541 x 35 mm
Net Weight	7.20kg + 1.80kg bracket
Preassembled Solar Cable	Single solar cable 2-core: 2 x 2.5mm ² / 6m
Front	Low-iron and tempered glass 3.2mm (EN 12150)
Cells Embedding	Transparent EVA
Junction Box	IP65
Certificates	IEC 61215 / IEC 61730 Flash and Electroluminescence Tested



Specifications - Dual Solar Charge Controller

SOLARVANN™ Series	Dual Solar Charge Controller		
System Voltage	12V/24V		
Max. Charge Current	10A (total)		
Max. Solar Panel Current and Voltage	10A / 30V		
Charging Regulation Method	Adjustable PWM (25Hz, 50Hz, 100Hz)		
Temperature Compensation	-30mV/°C (12V systems) / -60mV/°C (24V systems)		
Battery type (adjustable)	AGM (sealed)	GEL	Flooded
Absorption Voltage	14.2V / 28.4V	14.4V / 28.8V	14.6V / 29.2V
Float Voltage	13.7V / 27.4V	13.7V / 27.4V	13.7V / 27.4V
Equalization Voltage	14.4V / 28.8V	14.6V / 29.2V	14.8V / 29.6V
Max. Wire Size	4mm ²		
Weight	200g		
Dimensions	137 x 105 x 43 mm		
Working Temperature	De -35°C a +55°C		
IP Protection	IP22		



XU-0202216-AH



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