

Overview

VS-AU series is a PWM charge controller with LCD display and two USB ports. When the gap between solar panel working voltage and battery voltage is not big, choosing this PWM series is an equally reliable but more cost-effective solution. It is widely applied to rural Electrification and home power systems etc.

Features

- Series PWM charging mode
- Full power working at a working temperature range
- Multiple load control modes
- Adopt high quality, high-reliability international brand components
- Double USB design
- Segment LCD display design
- Real-time energy statistics function
- Extensive electronic protection



Solar Car



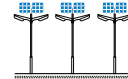
Solar Home



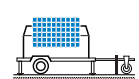
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

Technical Specifications

Model	VS1024AU	VS2024AU	VS3024AU	VS3048AU	VS4524AU	VS4548AU	VS6024AU	VS6048AU
Nominal system voltage	12/24VDC Auto	12/24VDC Auto	12/24VDC Auto	12/24/36/48VDC Auto	12/24VDC Auto	12/24/36/48VDC Auto	12/24VDC Auto	12/24/36/48VDC Auto
Battery type	Sealed(Default)/Gel/Flooded							
Battery input voltage range	9V ~ 32V	9V ~ 32V	9V ~ 32V	9V ~ 64V	9V ~ 32V	9V ~ 64V	9V ~ 32V	9V ~ 64V
Rated charge current	10A	20A	30A	30A	45A	45A	60A	60A
Rated discharge current	10A	20A	30A	30A	45A	45A	60A	60A
Max. PV open circuit voltage	50V	50V	50V	96V	50V	96V	50V	96V
Equalization voltage	Sealed:14.6V,Flooded:14.8V							
Boost voltage	Gel:14.2V,Sealed:14.4V,Flooded:14.6V							
Float voltage	Gel/Sealed/Flooded:13.8V							
Low voltage reconnect voltage	Gel/Sealed/Flooded:12.6V							
Low voltage disconnect voltage	Gel/Sealed/Flooded:11.1V							
Self-consumption	≤9.2mA/12V;≤11.7mA/24V;≤14.5mA/36V;≤17mA/48V							
USB output	5VDC/2.4A(Total)							
Temperature compensation	-3mV/°C/2V (25°C)							
Relative humidity	≤95%, N.C.							
Enclosure	IP30							
Grounding	Common Positive							
Operating temperature range	-25°C ~ +55°C							
Dimensions(LxWxH)(mm)	142×85×41.5	160×94.9×49.3	181×100.9×59.8	181×100.9×59.8	194×118.4×63.8	194×118.4×63.8	214×128.7×72.2	214×128.7×72.2
Net Weight	0.22kg	0.35kg	0.55kg	0.58kg	0.76kg	0.88kg	1.02kg	1.04kg