VS6024AU

EPEVER

## **Overview**

The ViewStar AU controller is a PWM charge controller with built in LCD display that adopts the most advanced digital technique. The multiple load control modes enable it can be widely used on solar home system, traffic signal, solar street light, solar garden lamp, etc.

## **Features**

- Adopt high quality components of ST,IR and Infineon, make sure product using lifespan
- Terminals have UL and VDE certification, the product is more safer and more reliable
- Controller can work continuously at full load within the environment temperature range from -25 to 55 ℃
- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, Float
- Support 3 charging options: Sealed, Gel, and Flooded
- LCD display design, dynamically displaying device's operating data and working condition
- Double USB design, the power supply charge for electronic equipment
- With humanized button settings, operation will be more comfortable and convenient
- Multiple load control modes
- Energy statistics function
- Battery temperature compensation function
- Extensive Electronic protection













## www.epsolarpv.com



Model	VS1024AU	VS2024AU	VS3024AU	<b>VS</b> 3048AU	VS4524AU	VS4548AU	VS6024AU	VS6048A	
Nominal system voltage		12/24VDCAuto		12/24/36/48 VDC Auto	12/24VDC Auto	12/24/36/48 VDC Auto	12/24VDC Auto	12/24/36/48 VDC Auto	
Battery input voltage range		9V~32V		9V~64V	9V~32V	9V~64V	9V~32V	9V~64V	
Rated charge/discharge current	10A@55℃ 20A@55℃		30A@55℃		45A@55℃		60A@55℃		
Max. PV open circuit voltage		50V		96V	50V	96V	50V	96V	
Battery type	Sealed(Default) / Gel / Flooded								
Equalize Charging Voltage ※	Sealed:14.6V/ Gel: No/ Flooded:14.8V								
Boost Charging Voltage ≫	Sealed:14.4V/ Gel:14.2V/ Flooded:14.6V								
Float Charging Voltage ※	Sealed/Gel/Flooded:13.8V								
Low Voltage Reconnect Voltage ※	Sealed/Gel/Flooded:12.6V								
Low Voltage Disconnect Voltage ※	Sealed/Gel/Flooded:11.1V								
Self-consumption	≤9.2mA/12V;≤11.7mA/24V; ≤14.5mA/36V;≤17mA/48V								
Temperature compensation coefficient	-3mV/℃/2V(25℃)								
Charge circuit voltage drop	≤0.29V								
Discharge circuit voltage drop	≤0.16V								
LCD temperature range	-20°C ~ +70°C								
Working environment temperature	-25°C ~ +55°C (Product can work continuously at full load)								
Relative humidity	≤95%, N.C.								
Enclosure	IP30								
Grounding	Common Positive								
USB output	5VDC/2.4A(Total)								
Overall dimension(mm)	142x85x41.5	160x94.9x49.3	181x100.9x59.8		194x118.4x63.8		214x128.7x72.2		
Mounting dimension	130x60mm	148x70mm	172x80mm		185x90mm		205x100mm		
Mounting hole size	Φ4.5	imm	Ф5і	Ф5mm		Ф5mm		Φ5mm	
Terminals	4mm <sup>2</sup> /12AWG	10mm <sup>2</sup> /8AWG	16mm²/	6AWG	16mm <sup>2</sup> /6AWG		25mm2/4AWG		
weight	0.22kg	0.35kg	0.55kg	0.58kg	0.76kg	0.88kg	1.02kg	1.04kg	

% Above the parameters are in 12V system at 25 °C, twice in 24V system, triple in 36V system and quadruple in 48V system

BLDG#18, CO.PARK, NO.8 HEYING ROAD, CHANGPING DISTRICT, BEIJING, CHINA
010-82894112 <a>010-82894882</a> www.epsolarpv.com
info@epsolarpv.com