

# PWM Solar charge controller

## ViewStar AU series



The VS-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.



### Models:

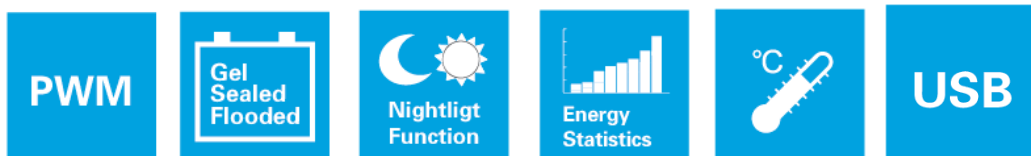
VS1024AU, 10A, 12/24V auto work

VS2024AU, 20A, 12/24V auto work

VS3024AU, 30A, 12/24V auto work

### Features:

- 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



### Electronic protections:

- PV reverse polarity protection
- Battery over discharge protection
- Battery overheating protection
- Load short circuit protection
- Battery over voltage protection
- Battery reverse polarity protection
- Load overload protection
- Controller overheating protection



### Optional accessories:



RTS300R47K3.81A  
Remote temperature sensor (3m)

## Technical specifications:

CE RoHS

Model	VS1024AU	VS2024AU	VS3024AU
Nominal system voltage	12/24V auto work		
Rated charge current	10A	20A	30A
Rated discharge current	10A	20A	30A
Battery input voltage range	9~32V		
Max. PV open circuit voltage	50V		
Equalize charging voltage*	Sealed: 14.6V, Flooded: 14.8V		
Boost charging voltage*	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V		
Float charging voltage*	13.8V		
Low voltage reconnect voltage*	12.6V		
Low voltage disconnect voltage*	11.1V		
Self-consumption	≤9.2mA(12V); ≤12.6mA(24V)		
Temperature compensation coefficient	-3mV/°C/2V		
Grounding	Common positive		
Overall dimension	142x85x41.5mm	160x94.9x49.3mm	181x100.9x59.8mm
Terminals	12AWG(4mm <sup>2</sup> )	8AWG(10mm <sup>2</sup> )	6AWG(16mm <sup>2</sup> )
Net weight	0.22kg	0.35kg	0.56kg
Enclosure	IP30		
Working environment temperature	-20°C ~ +55°C		
Relative humidity	≤95% (N.C.)		

\* Technical data for 12V system at 25°C, twice in 24V system rate.