

ViewStar series

SOLAR CONTROLLER

Rated Current: 10A, 20A, 30A, 40A, 50A, 60A

System Voltage: 12/24V Auto Work

12/24/36/48V Auto Work

ViewStar series solar controller is our new generation controller for off-grid solar system, such as street light, solar home system or small power station etc., It has LCD display, reliable battery charging, full electronic protection, programmable parameters and other features and powerful function.

Features:

- 32 bit MCU with high speed and high performance
- 12 bit A/D high-precision sampling to ensure accuracy
- Excellent EMC design
- Nominal system voltage automatic recognition
- High efficient Series PWM charging with temperature compensation
- Use MOSFET as electronic switch, without any mechanical switch
- Widely used, automatically recognize day/night
- Adopt graphics dot-matrix LCD screen and HMI (human-machine interface) with 4 buttons, integrated menu displaying and operation
- Humanized design of browser interface, undertake every operating conveniently
- Full control parameters setting and modification, diversified load control mode
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit.
- Reverse protection: any combination of solar module and battery

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10A



40A

LCD main menu

1. Monitoring
2. Device Set
3. Parameters Set
4. Load Set
5. Rated Value
6. Factory Reset



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Model	VS1024N	VS2024N	VS3024N	VS4024N	VS5024N	VS6024N
Rated current	10A	20A	30A	40A	50A	60A
Rated voltage	12V/24V Auto					
Terminals	4mm ²	10mm ²	16mm ²	35mm ²	35mm ²	35mm ²
Net Weight	0.2kg	0.4kg	0.7kg	0.9kg	1.2kg	1.3kg
Working temperature	-35°C - +55°C					
Model	VS2048N	VS3048N	VS4048N	VS5048N	VS6048N	
Rated current	20A	30A	40A	50A	60A	
Rated voltage	12V/24V/36/48V Auto					
Terminals	16mm ²	35mm ²	35mm ²	35mm ²	35mm ²	
Net Weight	0.7kg	0.9kg	1.2kg	1.3kg	1.4kg	
Working temperature	-20°C - +55°C					

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Technical parameters:

Battery type	Gel	Sealed	Floodeed
Over Voltage Disconnect Voltage	16V		
Charging Limit Voltage	15.5V		
Over Voltage Reconnect Voltage	15V		
Equalize Charging Voltage	NO	14.6V	14.8V
Boost Charging Voltage	14.2V	14.4V	14.6V
Float Charging Voltage	13.8V		
Boost Reconnect Charging Voltage	13.2V		
Low Voltage Reconnect Voltage	12.6V		
Under Voltage Warning Reconnect Voltage	12.2V		
Under Voltage Warning Voltage	12V		
Low Voltage Disconnect Voltage	11.1V		
Discharging Limit Voltage	10.8V		
Temperature Compensation Coefficient (TEMPCO)*	-30mV/°C/12V (25°C ref)		
Grounding	VS****24N / VS****48N : Negative to the ground		
Working temperature	-20°C ~ +55°C		
Storage temperature	-30°C ~ +80°C		
Enclosure	IP30		

Voltage parameters are default value at 25°C, 12V, please use 2X (24V system), 3X (36V system), 4X (48V system)