

ViewStar

PWM

Solar Regulators

12V-24V-36V-48V



REG48/20

REG48/40

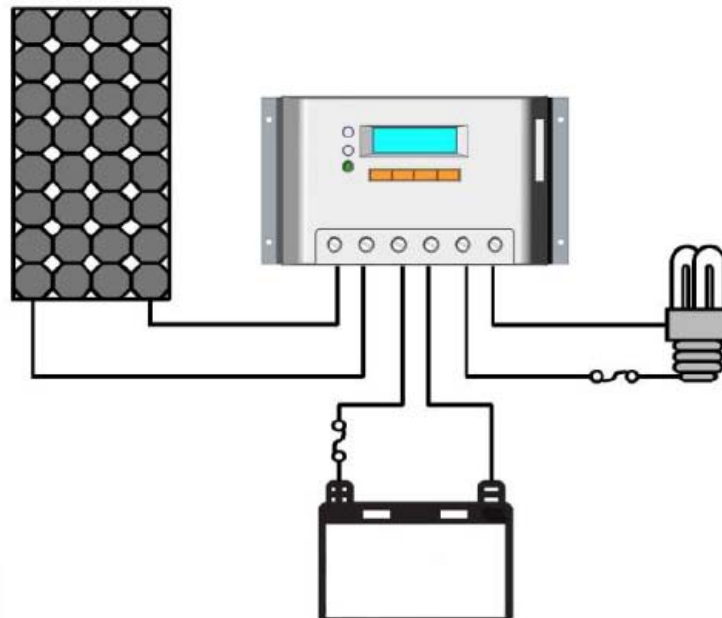
REG48/60

MAIN FUNCTIONS

View Star series solar charge controller that adopts the most advanced digital technique, displays on the LCD and operates fully automatically. The Pulse Width Modulation (PWM) battery charging and the unique control technology can greatly increase the life time of the battery.

- Excellent EMC design
- 32 bit MCU with high speed
- High efficient Series PWM charging
- Gel, Sealed and Flooded battery type option
- LiFePO4 battery compatible
- Widely used, automatically recognize day/night
- 12 bit A/D high-precision sampling to ensure accuracy
- Use MOSFET as electronic switch
- Full control parameters setting and modification, diversified load control mode
- Humanized design of browser interface, undertake every operating conveniently
- Temperature compensation
- Adopt graphics dot-matrix LCD screen and HMI (human-machine interface) with 4 buttons, integrated menu displaying and operation
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse protection: any combination of solar module and battery

APPLICATION DIAGRAM



TECHNICAL SPECIFICATION

ViewStar Series Solar Controller

Electrical parameters	VS2048N		VS4048N		VS6048N	
Nominal System Voltage	VS**48N:12V/24V/48V auto work					
Rated Battery Current	20A		40A		60A	
Max. Battery Voltage	VS**48N:64V					
Charge Circuit Voltage Drop	≤0.24V					
Discharge Circuit Voltage Drop	≤0.16V					
Self-consumption	≤18mA					
Communication	TTL232 / 8pin RJ45					

Battery Voltage Parameters (temperature at 25℃)			
Battery charging setting	Gel	Sealed	Flooded
Equalize Charging Voltage	——	14.6V;x2/24V	14.8V;x2/24V
Boost Charging Voltage	14.2V;x2/24V	14.4V;x2/24V	14.6V;x2/24V
Float Charging Voltage	13.8V;x2/24V	13.8V;x2/24V	13.8V;x2/24V
Low Voltage Reconnect Voltage	12.6V;x2/24V	12.6V;x2/24V	12.6V;x2/24V
Low Voltage Disconnect Voltage	11.1V;x2/24V	11.1V;x2/24V	11.1V;x2/24V

Environmental parameters	
Working temperature	-35℃ to +55℃
Storage temperature	-35℃ to +80℃
Humidity	10%-90% NC
Enclosure	IP30

ViewStar Series Solar Controller

Model	VS2048N		VS4048N		VS6048N
Rated current	20A		40A		60A
Rated voltage	12V/24V/36/48V Auto				
Terminals	16mm ²		35mm ²		35mm ²
Net Weight	0.7kg		1.2kg		1.4kg
Working temperature	-20℃ - +55℃				

PRODUCT DESIGN DRAWING



PRODUCT PHOTOS



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