

PWM Solar charge controller

ViewStar A series



ViewStar A series is common positive PWM charge controller with LCD display. It adopts the most advanced digital technique. The multiple load control modes enable it can be widely used in solar home system, traffic signal, solar street light, solar garden lamp, etc.



Models:

VS1024A, 10A, 12/24V auto work

VS2024A, 20A, 12/24V auto work

VS3024A, 30A, 12/24V auto work

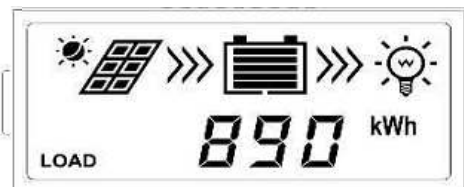
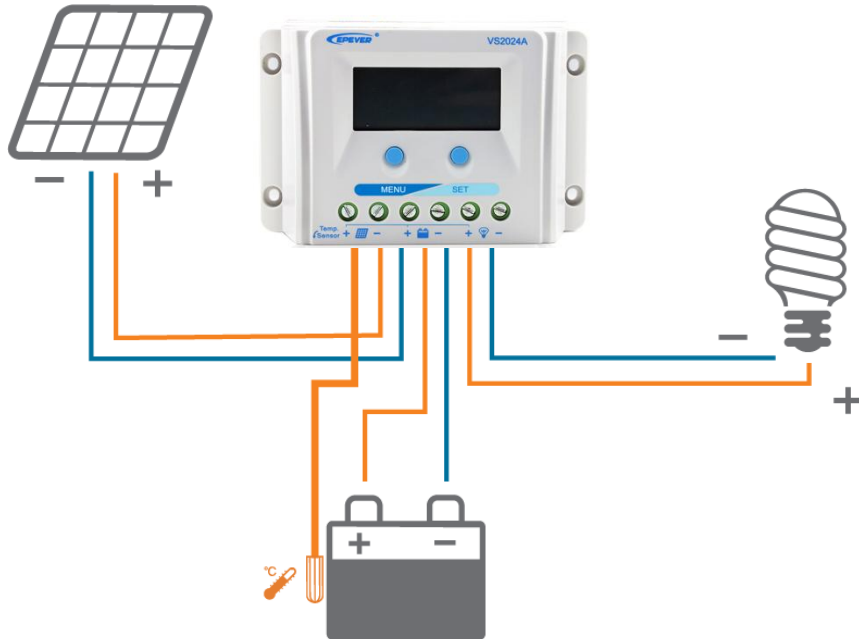
Features:

- ◆ 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
- ◆ Multiple load control modes
- ◆ Energy statistics function
- ◆ Battery temperature compensation function
- ◆ Extensive Electronic protection



Electronic protections:

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





Optional accessories :

Remote temperature sensor (Model: RTS300R47K3.81A)



Acquisition of battery temperature for undertaking temperature compensation of control parameters, the standard length of the cable is 3m (length can be customized).

Technical specifications

Model	VS1024A	VS2024A	VS3024A
Nominal system voltage	12/24V auto work		
Rated battery current	10A	20A	30A
Rated load 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	≤8.1mA(12V);≤6.5mA(24V)		
Grounding	Common positive		
Temp. compensation	-3mV/°C/2V		
Working environment temperature	-25°C~+55°C		
Enclosure	IP30		
Overall dimension	132x84.6 x39.7mm	149x94.1x46.1mm	177.5x106.6x46.2mm
Terminals	4mm ²	16mm ²	16mm ²
Net weight	0.18kg	0.26kg	0.33kg

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



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