

PWM Solar charge controller

ViewStar A series



Viewstar A series is common positive controller with LCD display, adopting the most advanced digital technique, high cost performance.



Models:

VS1024A, 10A, 12/24V auto work

VS2024A, 20A, 12/24V auto work

VS3024A, 30A, 12/24V auto work

Features:

- PWM charging
- Battery type selection: Sealed, Gel, Flooded
- Multi-function LCD displays system information intuitively
- Multiple load control modes
- Energy statistics function
- Optional RTS for accurate temperature compensation
- 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:



RTS300R47K3.81A
Remote temperature sensor (3m)

Technical specifications:

CE RoHS

| Model | VS1024A | VS2024A | VS3024A |
|--------------------------------------|---|--------------------------|--------------------------|
| 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 | ≤8.1mA(12V);≤6.5mA(24V) | | |
| Temperature compensation coefficient | -3mV/°C/2V | | |
| Grounding | Common positive | | |
| Overall dimension | 132x84.6 x39.7mm | 149x94.1x46.1mm | 177.5x106.6x46.2mm |
| Terminals | 12AWG(4mm ²) | 6AWG(16mm ²) | 6AWG(16mm ²) |
| Net weight | 0.18kg | 0.26kg | 0.33kg |
| Enclosure | IP30 | | |
| Working environment temperature | -25°C ~ +45°C | | |
| Relative humidity | ≤95% (N.C.) | | |

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



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