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Performance comparison of solar controller SR501 and SR500

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【Abstract】

Generally speaking, the purchase of non-pressure water heaters will be matched with solar controllers. The intelligence of solar controllers can bring us a lot of convenience in using solar water heaters. Compared with the traditional solar controller SR500, the SR501 style is an upgraded style of SR500. , Adds a lot of convenient and intelligent functions on the original basis: for example, water heaters, display water temperature, timing and other functions, which can make us use solar water heaters very convenient, and it is also a controller for non-pressure solar water heaters. best choice.

Let me introduce to you the functions added by the solar controller RS501 on the basis of the traditional SR500:

【Text】

1. The SR501 solar controller uses a new water temperature sensor and adds an anti-overflow probe, which can effectively prevent the waste of tap water caused by overflow.



2. The SR501 solar controller can display the water level and temperature, and the hardware has also been upgraded. The temperature accuracy of the display screen has been increased by 10 times and can display 0.1 degrees, so that the heating display temperature is more dynamic and detailed.



3. SR501 solar controller has four water supply methods:

- a. Timing water supply (set time)
- b. Temperature control water supply (set temperature)
- c. Water level (set water level)
- d. Delayed Sheung Shui (Delay the Sheung Shui time after reaching the function)

Using the controller to select the water supply method does not require manual water supply, which effectively avoids the phenomenon that there is no water in the water tank and the water is forgotten or the water overflow is caused by the overfilling of the water supply. Moreover, the effective selection of the water supply method can also avoid the occurrence When water is being used, the water supply is activated.

4. SR501 solar controller has the functions of timing heating and constant temperature heating. Timing heating can increase auxiliary electric heating. The controller can perform automatic temperature control adjustment and time control, which can better use electric heating to avoid electric heating. Prevent dry burning and effective energy saving; constant temperature heating can ensure the constant temperature of the water tank by setting the start and stop of the electric heating according to the temperature of the water tank.

5. SR501 solar controller water tank high temperature protection function, in order to avoid damage to the water tank caused by overheating of the water temperature, when the water tank temperature reaches the high temperature protection start temperature, the water supply will be started. This can effectively protect the water tank and ensure the life of the water tank.

6. The SR501 solar controller has a buzzer failure alarm. When the water temperature and water level sensor and temperature sensor fail, the failure will be reminded and alarmed, and the water heater can be known in time.

7. The SR501 solar controller also has a sterilization function, which prevents the propagation and development of Legionella in the water tank by starting auxiliary heating regularly. Effectively prevent the reproduction of bacteria and protect the clean water in the tank.

【Conclusion】

Compared with the traditional SR500, the solar controller SR501 has upgraded a lot of functions, and the benefits are very many. If you want to use the solar water heater more conveniently, it is best to match a solar controller, which can effectively avoid many unnecessary Trouble, better protect the solar water heater, which brings a lot of convenience and convenience to life.

For more information, please refer to the following websites:

<https://www.1stsunflower.com/SR501-Solar-Controllers-for-Compact-Non-Pressurized-Solar-Water-Heater-pd75611987.html>

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