

**A Smart Renewable Energy Solution**



**Solar LED Torch Light  
Solar LED Flame Light**

# **User Guide**

**HT-SF-A96**

**Document version: HT-SF-A96-SPEC-V3**

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\*Please read the user guide before use and keep it properly.

## PRODUCT DESCRIPTION

Solar energy light is a new product to use solar power for producing electricity. This light uses high-efficiency solar panels, which can transform solar energy to electric energy and stock into storage battery. Then it can provide energy to LED light for shining. The unique optical controlled technology can ensure the light auto charging in daytime. Then the light can automatically lighten in the night. In addition the light is easy to install, waterproof and anti-sunburn.

## PRODUCT DIAGRAM

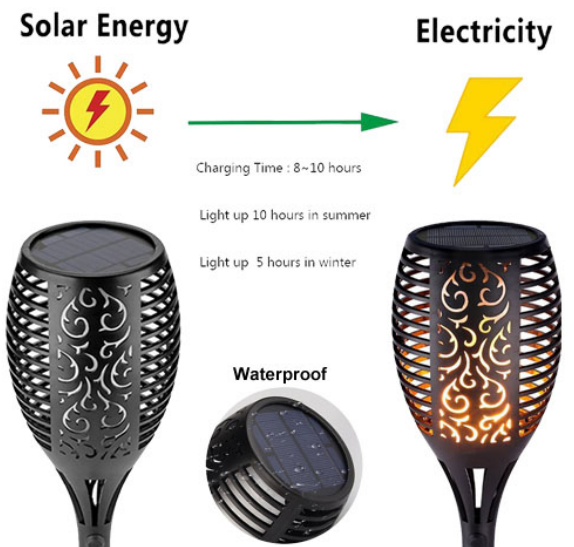


## HOW DOES THE SOLAR FLAME LIGHT WORK

During the day, the solar panel on the top converts sunlight into electricity and recharges the battery.

On the solar panel there is a photosensitive control switch. At night the light can automatically turn on using the electricity stored (you can cover the solar panel with your hand to enter night mode.)

After daybreak the light will automatically turn off the lights and enter charging mode.



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## ELECTRICAL CHARACTERISTICS

- 1.Solar panel:5.5v 1W,17% efficiency
- 2.Li-ion battery:3.7v 2200mAh
- 3.Net Weight:about 150g;Gross Weight: about 300g
- 4.LED:SMD3528\*96pcs
- 5.Lumens:350lm
- 6.LED span life:50,000Hrs
- 7.Solar charging time:6Hrs
- 8.Working time:8~10Hrs
- 9.Switch:on/off
- 10.Auto turn on at dusk and turn off at dawn once swtich on
- 11.Protectfunction:Over charging. over discharging. over current, short circuit
- 12.Li-ion battery span life:500 circles
- 13.Solar panel span life: more than 20 years
- 14.Inner Carton Size:325\*125\*125mm
- 15.Outer Carton Size:667\*415\*680mm

**Ground spike****Ground Base****Elbow Head**

## WARNING

- 1.Keep the device away from fire,water and avert the product immersed in water in order to avoid explosion,leakage.
- 2.The device does not have any charger.
- 3.No one except professional technicians should attempt to disassemble the device in order to aviod damaging the product.

## ADDITIONAL NOTE

1. The lamp should be charged for 5 hours under the sunlight before using.
- 2.If there is no good sunlight in 3 months,the battery may be out of power. So you have to charge it with bright sunlight . when it's fully charged, it can function normally.
- 3.If the light blinks, it shows that the power is low. Thus, you have to charge it with the sunlight right away. Otherwise, the device will stop functioning soon.
- 4.If there is strong sunlight or during the winter season, especially at the north countries, it may take longer time to fully charge the device and this is a normal situation for solar products.

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