

How much is 1 watt of solar lamp pole





Overview

How to choose a solar street light system?

- Load – is electrical appliances that connected to solar PV system such as lights, wifi, camera, etc, Now when you know the basics about all parts it is very useful to understand how to design and determine the best system for your solar street light project. In order to that you should: 1. Determine what is power consumption of your street light.

How much solar power does a street light use?

For a street light that consumes 900WH, after calculation, the battery panel power required by the former $=900 \times 1.333 / 6.2 = 193.5$ Wp, and the battery panel power required by the latter $=900 \times 1.333 / 4.6 = 260.8$ Wp. From this we can conclude that the more sunlight there is, the smaller the solar panels you need and vice versa.

How much energy does a 100wp solar panel module consume?

It can be considered that for every 100WH of solar energy converted, the controller itself will consume 33.3WH of energy. Based on the results, we can choose to install 1 pieces 100Wp solar panel module to meet the energy needs of the project.

How long is a light pole & a cantilever?

The height of the light pole is 8 meters, the length of the cantilever is 1 meter, and the distance between the light pole and the curb is 0.5 meters, which meets the requirements of M4 lighting level. According to the lighting simulation results of ZGSM, it is shown that the 60W Falcon series is very suitable.



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Pole Height for Solar Lights I have spent more than a decade working with outdoor solar lighting for rural areas, highways, and even special projects near airports. I am Wao Wu, co-founder ...

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