

How to select power supply for LED

At present, Most of the led products were used to DC power supply to drive the LED. Because The led product need to throw in an power supply , It has to be functional for transformation that the AC were converted into stand DC. according to the request that use electricity rule and drive characteristics, we need to consider four more precise issues when select or design.

High reliability

Particularly the power supply for complicated [Lighting projects](#), like LED street lamp, [Underground Light](#)... the [Lighting projects](#) power supply was install in ground or high places. and are of inconvenient installation and repair.

High efficiency

LED is environmental protection and energy conservation products. Can save your money. so it requires higher efficiencies of drive power supply.

for the power supply install in The inside of the box. This is even more important. Because the light efficiency was decreased along with the increase of power supply temperature. So We have to Choosing a power supply that High efficiency and high reliability.

Surge Protective

Resisting Surge of LED is pretty weak, especially Resisting Reverse voltage(Reverse voltage is not permissible.) . It is great significant to further study on this subject is necessary . such as LED street lamp: electric power system and load during the startup and Affected by a lightning stroke, they can produce Surge. Part of surge cause LED damage!

so select a that High reliable power supply, strict lightningproof system.

Surge Protection of Electronic Circuit is necessary

Protection function

It has perfect protection function and high reliability. Besides regular protection function , It would be good to have a constant current output and temperature negative feedback , taken not to overheat and damage LED during the using process.