

## Discover How A Batteryless Flashlight Solves Safety Problems

The batteryless flashlight is all the rage. With the main use for flashlights being a power outage in the home, being able to use one that does not require batteries is a huge advantage. Frustration is high when you have to get out the flashlight and the batteries in it have gone bad and you get nothing but a dull yellow glow that lasts about an hour. A batteryless flashlight, though, eliminates that issue by always working without the need for batteries. They are perfect for not only loss of electricity situations, but also camping, keeping in your car for night time emergencies, and even as a basic supply during any outdoor excursion. As you will see, the batteryless flashlight offers you a couple of different options without a significant loss of performance.

Perhaps the most popular of the batteryless flashlight models on the market is the shake flashlight. These flashlights work on the Faraday Principle of Electromagnetic Energy. That principle says that when you move an electric conductor (in the case of batteryless flashlight models, copper) through a magnetic field, electric current is released. This electricity, then, can be used to light a flashlight.

A batteryless flashlight that uses the Faraday Principle has copper coils that are passed through a magnetic field when you shake the flashlight. The resulting electricity is harnessed in order to light the flashlight. Fifteen to thirty seconds of shaking will generally keep a shake flashlight lit for at least five minutes. This eliminates the need for batteries, which makes it both convenient and environmentally friendly.

A second type of batteryless flashlight works on the same principle, but uses different action to produce the Faraday energy. These flashlights use a crank or handle that you pump. The motion moves copper or other conductor through a magnetic field and creates the same effect you see in the shake flashlight. These flashlights, like the shakes, produce a bluish LED light that makes for solid illumination and high level of performance. You do not need batteries to have a good strong flashlight beam.

LED lights are the key to many batteryless models. LED are a type of light bulb that are encased in plastic instead of glass so that they are lighter. Additionally, they produce little or no heat when and need much less power to operate than a traditional bulb. What this means for users of batteryless flashlight models is that you can produce a good beam of light with the small amount of electricity produced in a Faraday Principled manner.

Batteryless flashlight models have a number of uses. Whether stranded at night in a broken down car or out on a camping trip, not having to be concerned with batteries can give you peace of mind. Additionally, since most batteryless flashlights are completely waterproof and functional underwater, they can even be used in rough weather. So give a batteryless flashlight a try and see how much better you feel the next time the electricity goes out.

Source: <http://www.articlecircle.com>

### About the Author

Now there is a gallery of powerful information yours for the taking. Decide now to improve your safety at home, and generate peace of mind. Click here: <http://www.flashlight-secrets.com/>