

# Abstract

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I got to thinking about lasers and I thought, could a laser possibly charge a battery. I started to think even more and started to ask myself what is the fastest and most efficient way to charge a battery. I thought of the characteristics of lasers and thought that a solar panel could charge a battery with light, and that a thermocouple can charge a battery with heat. Those two things fit the characteristics of lasers.

The type of laser I will use is a standard green laser. My plan to experiment is to modify a laser, so that it will give off more heat, and then I will connect a rechargeable battery to a solar panel and shine the beam on it. I will then, after a period of time, test the battery and see how many volts it holds. My second process of experimentation is to connect a thermocouple to a rechargeable battery, and shine the beam on it for the same period of time. Then I will compare the two recordings and find out which battery holds the most volts.

I predict that the battery with the solar panel connected to it will hold the most amount of electricity. I predict this to happen, because lasers are widely known for their bright beams of light.

I have found that you can charge a battery using a thermocouple and a solar panel, but the solar panel is the most efficient way.