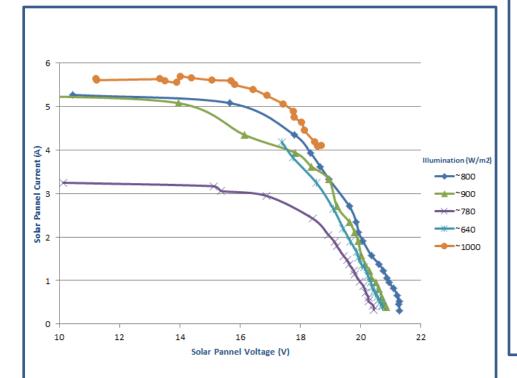
## Power Rangers

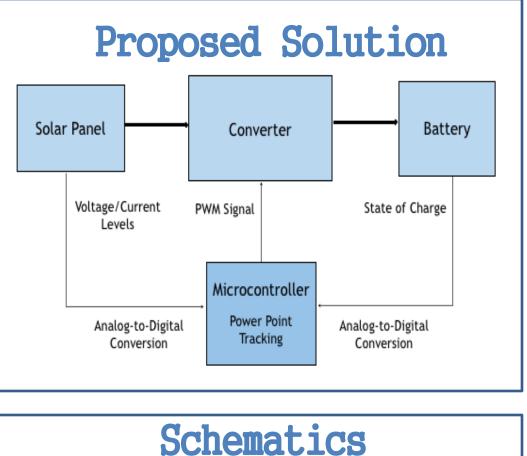
## Maximizing the Efficiency Out of a Solar Panel

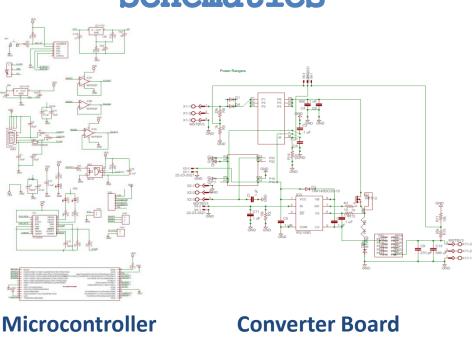
Meaghan Hannon, Anjola Lanre-Ladenegan, Sarah Ritter, Evan Syers

## Proposal

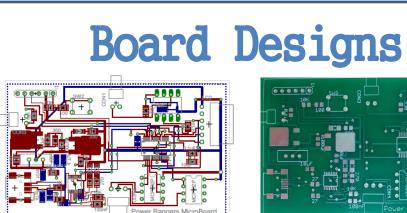
The fundamental phenomenon leading to the necessity of this project is dependence of power generated by a solar array on the voltage it is being operated at. Depending on the irradiance of light, the point at which the solar array outputs maximum power occurs at a different voltage. The goal of this project is to have a converter that tracks the maximum power point, and drives the converter so that maximum power is always being input to the battery.



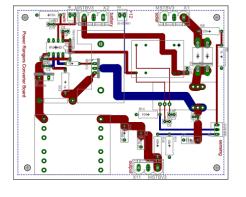


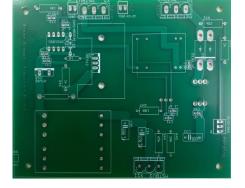


Current/Voltage Relationships for Solar Array



## Microcontroller





**Converter Board** 



