Needs and Requirements

Harris Company is known for their transportable communicative devices. The problem at hand is the device’s battery life. Harris Company is concerned with finding alternative ways of charging their products because their consumers range from the police force, firemen, and doctors and they need the products to be reliable. There has been research on alternative sources of energy over the years and charging is a form of energy.

Requirements:

- Weight: light-weight, easy to transport,
- Size: can be made in various sizes, sizes should be user friendly
- Cost: affordable to purchasing-companies budget for electronics
- Ease of Use
- Ruggedness
- Users of the Product
- Suitability to different environments
- Easy to manufacture
- Aesthetically pleasing
- User friendly
- Ergonomics
- Alternative Power Source:
  - Solar power
  - Wall Charger
  - Car Charger
  - Hydra-power

Solutions to be addressed:

- Safety
  - Warnings if placed in inappropriate setting
  - Environmental effects of producing and disposing
- Economic Viability
- Increase output of product using least amount of resources and using resources efficiently
- Environmental Impact
  - Minimal to no impact on environment