EE 595 Project Abstract: Team 6

FlameCharger

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FlameCharger

- A product that uses heat to make power
- Charge your electronic devices using a campfire
- Compatible with USB devices and 12V devices
- Improved efficiency with advanced cooling regulation
- LCD Display showing system status
- No extra resources needed
EE 595 Key Requirements

FlameCharger

- Output Voltage: 4.9V-5.1V 1A, 11.76V-12.24V 1A
- Operating Temp Range: -40°C to 85°C
- Product Lifetime: 20 years
- Battery Lifetime: 3 years
- Battery Type: Lithium-ion Battery
- Usable Power: 10W
- Cost: $235
  - Component Target: $140
  - Assembly/Test Target: $15