**Objectives**
- Connected survival tool
- Built for hikers, campers and backpackers
- Power devices through solar
- Provide user with real time weather data via BT app
- Light, Compact, Portable
- 4.7 billion dollar outdoor industry
- 45 million outdoor enthusiasts in US alone

**Board Design**

**Lithium Ion Batteries**
- Samsung 25R Lion
- 18650 form factor
- 20 Amp max discharge
- 10 Amp max charge current

**User Interface**

**System Overview**

**NOAA Data**
- NOAA 15 - 137.620 MHz
- NOAA 18 - 137.9125 MHz
- NOAA 19 - 137.100 MHz

**System Power Consumption**