Standard Microgrid

Integrating SAM for Rural Microgrid Load Modelling
A Distributed Energy Services Company

- Socially and economically sustainable model
- Selling prepaid, time of day, appliance level energy services
- Proprietary grid management hardware and software
- With the ability to monitor and control the systems remotely, we can manage demand, monitor usage and collect payments
- Mobile billing platform empowers local, unskilled women within the community to purchase and resell credit at a profit to community members
- Providing energy access at a price that is dramatically less than the least cost alternative
Analyse SAM results

● Thresholds set and compared for
  ○ Capacity shortfall over the year
  ○ Expected battery degradation
  ○ Grid, line and switch capacity
● Accept or reject new customer program accordingly
System - Battery Voltage And Current

Voltage (V) ~ Current (A)