

Data Acquisition Offerings for Clean Cooking Partners



Smart Meters

Remote monitoring of AC electric appliances

A2EI's smart meters automatically capture electricity data such as power and energy on a 5-minute or 1-minute interval and transmit this data to a server. By connecting smart meters to appliances, we reveal a detailed picture of how an individual user operates a device such as an electric stove or EPC. By collating user data sets together, we begin to understand how communities and markets interact with these products.

To see how A2EI's smart meters are being used in pilots, view our report at https://a2ei.org/resources/uploads/2020/12/A2EI_CleanCooking_DataReleaseReport.pdf

Specifications

- Suitable for AC, single phase power rated up to 60A (13.8kW on a 230V grid)
- Back-up internal memory suitable for 1 month of back-up on a 1-minute resolution; 3 months of back-up on a 5-minute resolution

Offer for Clean Cooking Partners and Projects

A2EI is providing smart meters at no cost to partners in order to create a rich, global data set on EPC and electric cooking appliance usage. A2EI's support package includes:

- Smart meters
- AERIS SIM Cards and mobile internet data package for duration of pilot studies
- Support for data processing and analysis

To discuss using A2EI's smart meters on your pilots, e-mail cleancooking@a2ei.org.