

Report on usage from our PPP IT-administration system

Prepared by Steen Kramer Jensen 220531

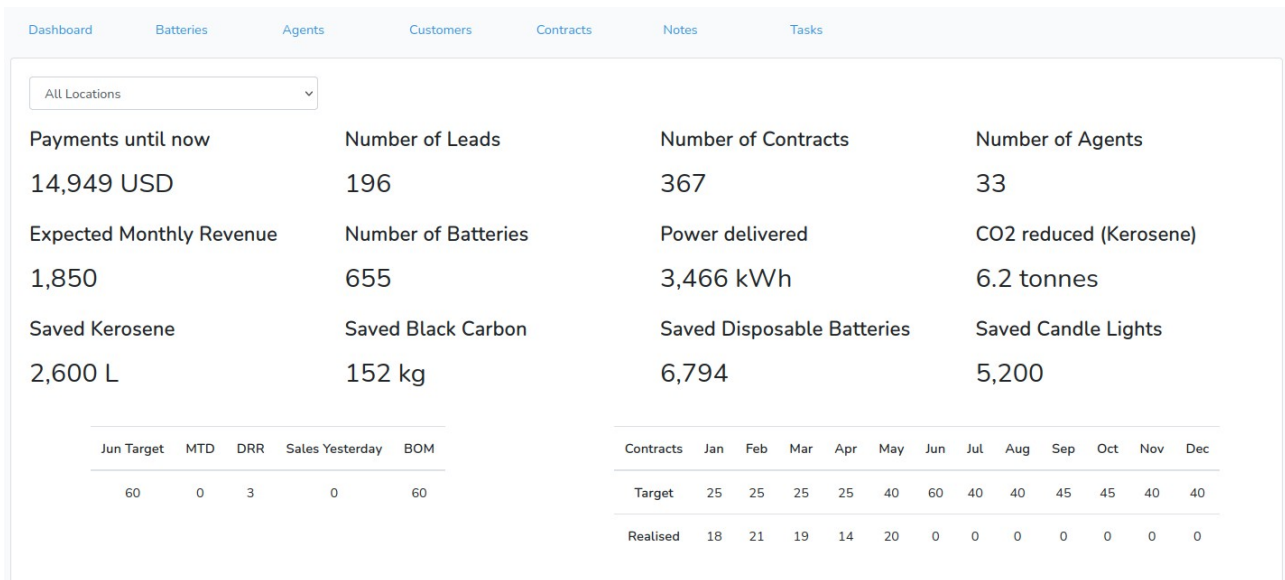
From our IT administration system we can follow payments, contracts and usage of our batteries.

The system is located here:

<https://www.pp-power.dk/ppp/home>

And you have to have a login with pviliges to operate the system depending on your role.

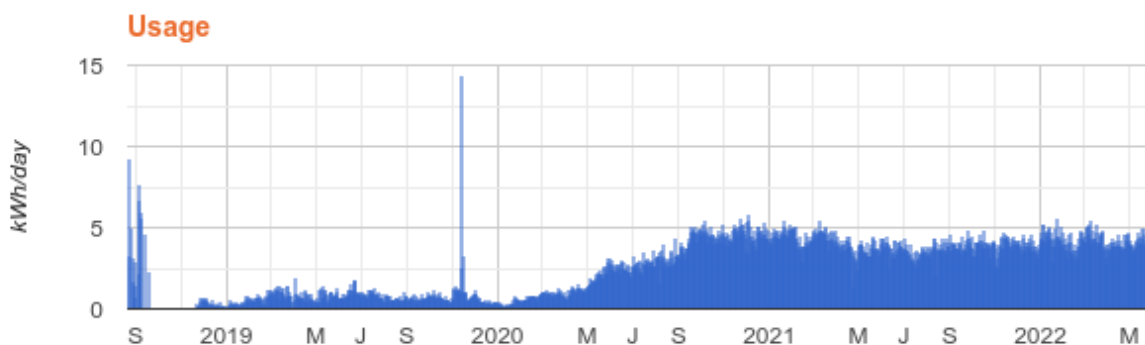
From the Dashboard you can see an overview of the progress:



You can also see calculations on CO2 emission saved as well as black carbon, kerosene etc. These calculations is done from the estimated savings on Kerosene, candle-lights and batteries used in torch.

We also have a calculation on expected monthly revenue and payments until now.

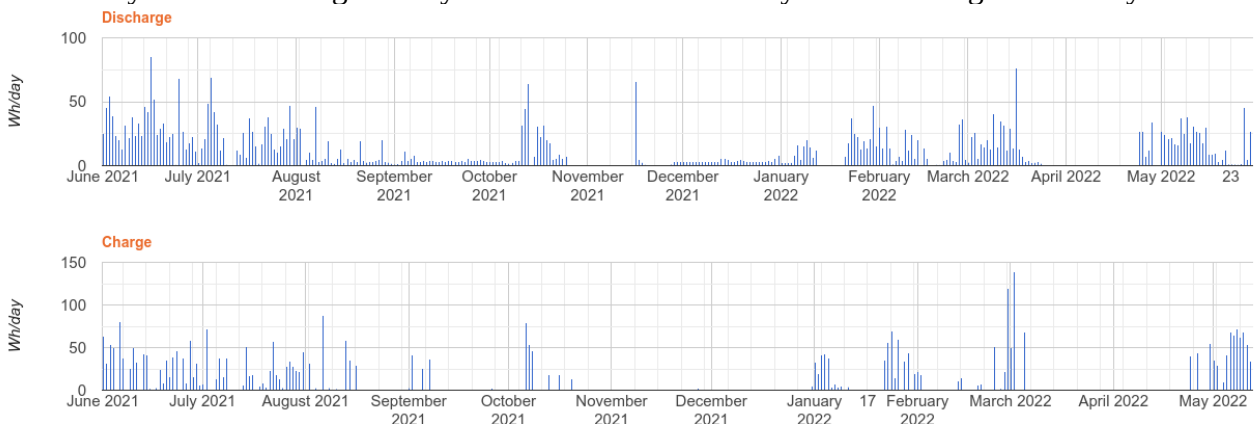
The produced electricity can also be seen both in total and on a daily graph:



The usage of individual users can also be seen in the system:

| ID | Location | Name | Last Connect | Last Restart | Version | Sim | State | Latest U/V | Latest I/mA | Usage Wh/day today/average |
|------|----------|---------------------------|--------------|--------------|------------|----------|-------|------------|-------------|----------------------------|
| 2323 | customer | Evans kipkogei | 220529 18:07 | 220430 | 2.5I-2.5I | Onomondo | 5 | 13.3 | 178 | 22/8 |
| 1825 | customer | Rodah Teriki Toroitich | 220530 02:31 | 211129 | 2.5I-2.5I | Onomondo | 5 | 14.7 | 374 | 21/5 |
| 1727 | customer | Sapuro Elendukai | 220530 14:12 | 210317 | 2.8-I-2.8I | Onomondo | 5 | 15 | -363 | 0/3 |
| 1971 | customer | Dekla Jeptarus Kipkeitany | 220531 13:16 | 211025 | 2.5I-2.5I | Onomondo | 5 | 16.7 | 0 | 15/3 |
| 2146 | customer | Patrick Khanya | 220531 17:33 | 220331 | 2.8-I-2.8I | Onomondo | 5 | 15.3 | 339 | 40/79 |
| 1329 | customer | DALMAS OCHAM TANTU | 220531 18:51 | 220530 | 2.5I-2.5I | Onomondo | 5 | 15 | -1 | 0/8 |
| 1719 | customer | BRIAN ODONDI | 220531 19:17 | 200707 | 2.5I-2.5I | Onomondo | 5 | 15 | 366 | 44/6 |
| 2339 | customer | KENEDY DAUD | 220531 20:17 | 220305 | 2.6I-2.6I | Onomondo | 5 | 15 | -315 | 10/23 |

Here you see the daily and average consumption in the last column. You can also see the current condition of the battery in voltage [U] and current [I] as well as when the battery was last connected to our IT-system. For a single user you can see how the battery is used throughout the days:



For the total population one can calculate the average consumption and charging depending on time of day. It can be seen that charging occurs during the day (by sunlight), while most consumption is during the evening, but most have also some light on during the night:

