

EC Report

Key Statistics

Overall consumption (kw/h): 6135.30

Overall production (kw/h): 2390.86

Overall trading volume (kw/h): 435.69

Nr of overproduction vs overconsumption datapoints: 3762, 20238

Consumption covered by own production (%): 21.76

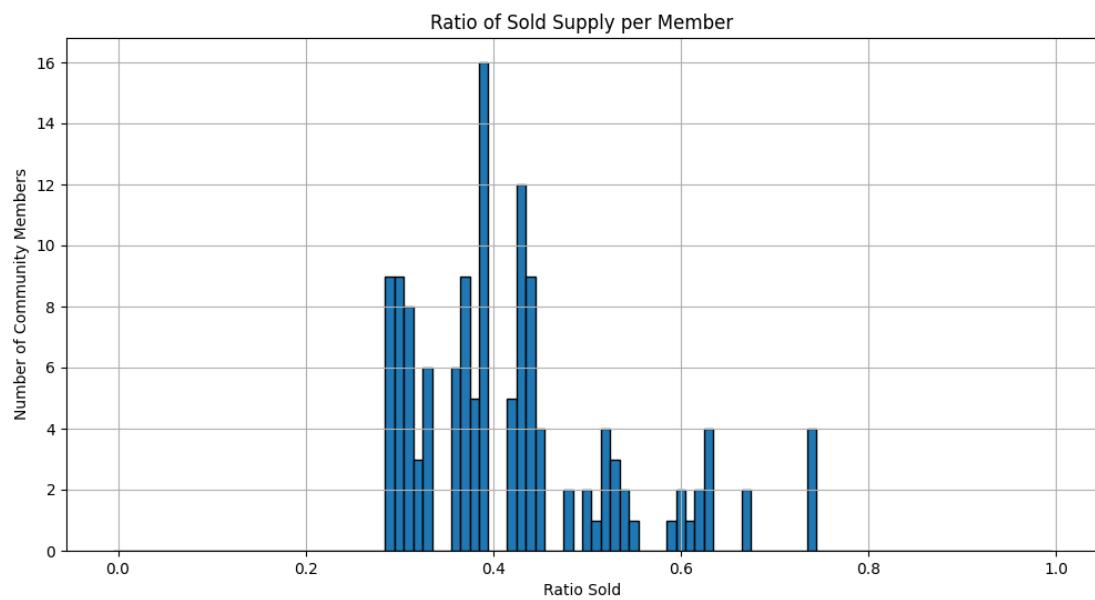
Consumption covered by trades (%): 7.10

Demand covered by trades (%): 9.08

Percentage of supply sold (%): 41.26

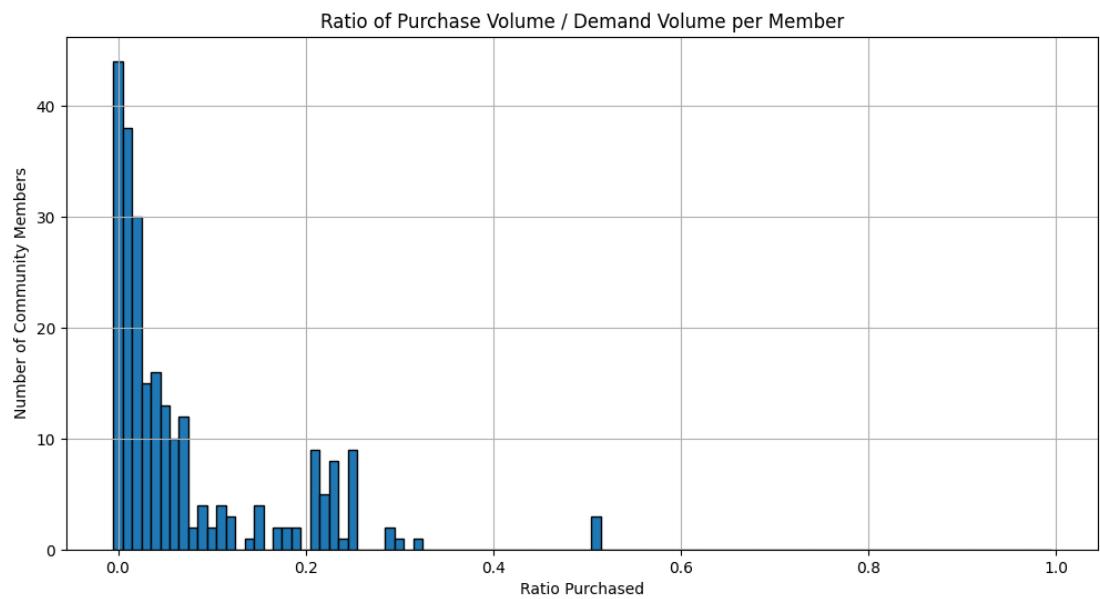
Sell Ratio

The following figure plots the ratio of sold energy on the local market to the supply per community member. This is to get a sense of how fair the distribution for sellers is.



Buy Ratio

The following figure plots the ratio of purchased energy on the local market to the demand per community member. This is to get a sense of how fair the distribution for buyers is.



Statistics With Battery

The following section compares how batteries of different capacities affect the community.

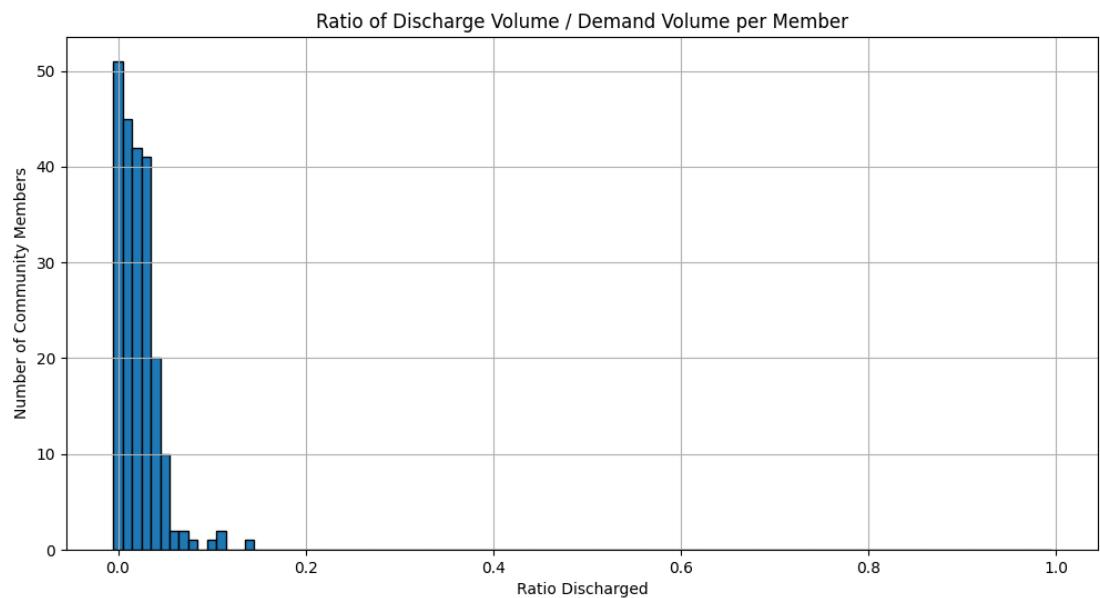
Battery Capacity 100.0 kw/h

Consumption covered by battery (%): 1.85

Percentage of supply put to battery (%): 12.78

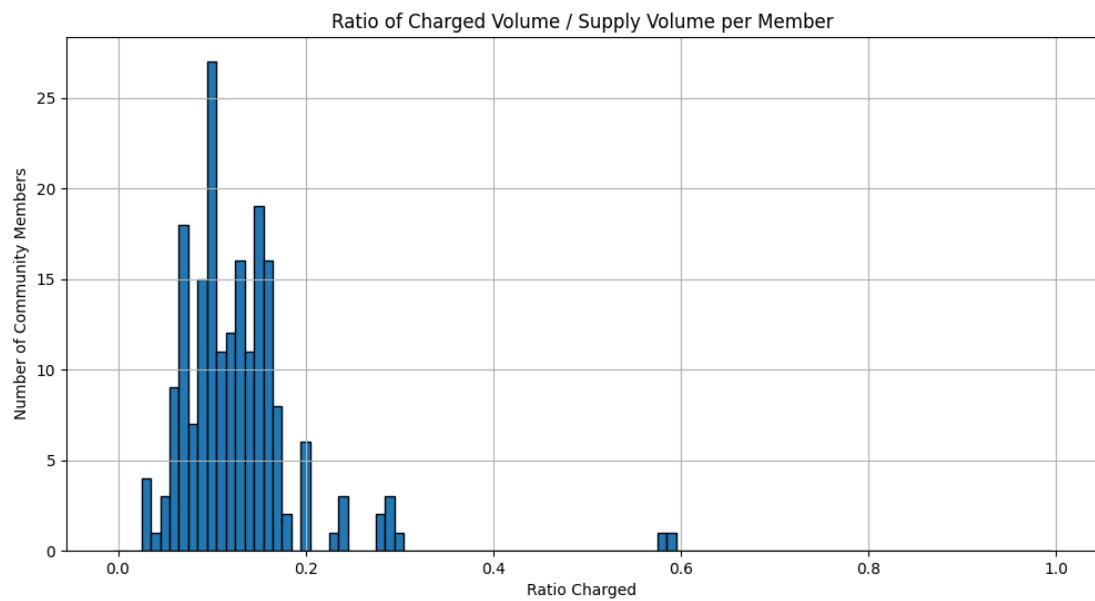
Ratio of energy obtained from battery of overall demand

The following figure plots the ratio of energy obtained from the battery of the overall bought energy per community member.



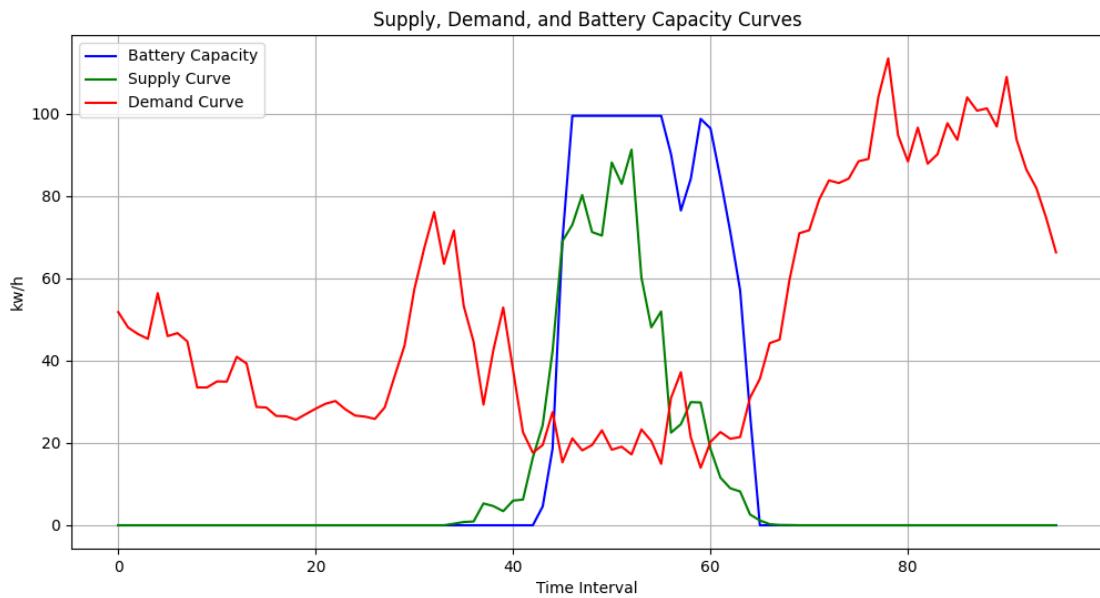
Ratio of energy sold to battery of overall sold energy

The following figure plots the ratio of energy sold to the battery of the overall sold energy per community member.



Ratio of energy sold to battery of overall sold energy

The following figure plots the battery capacity, supply and demand curves over the time period of the dataset.



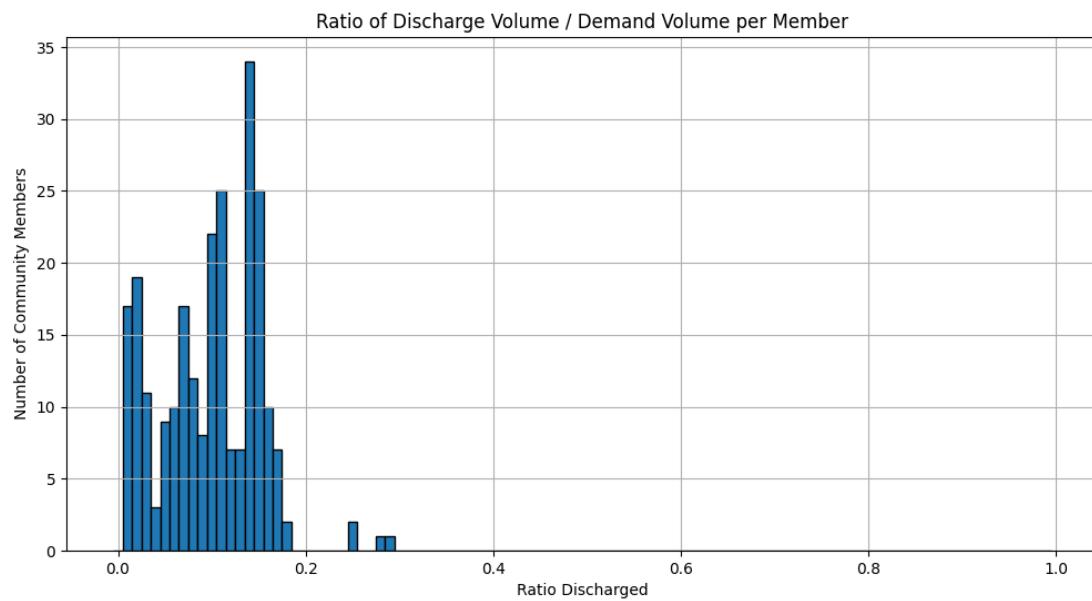
Battery Capacity 550.0 kw/h

Consumption covered by battery (%): 8.34

Percentage of supply put to battery (%): 58.68

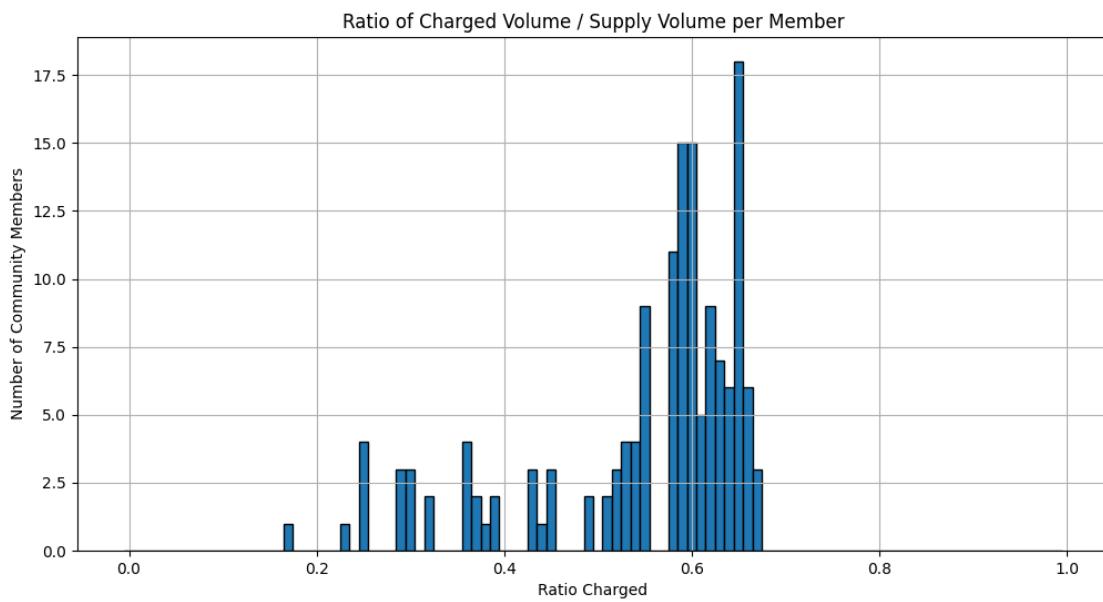
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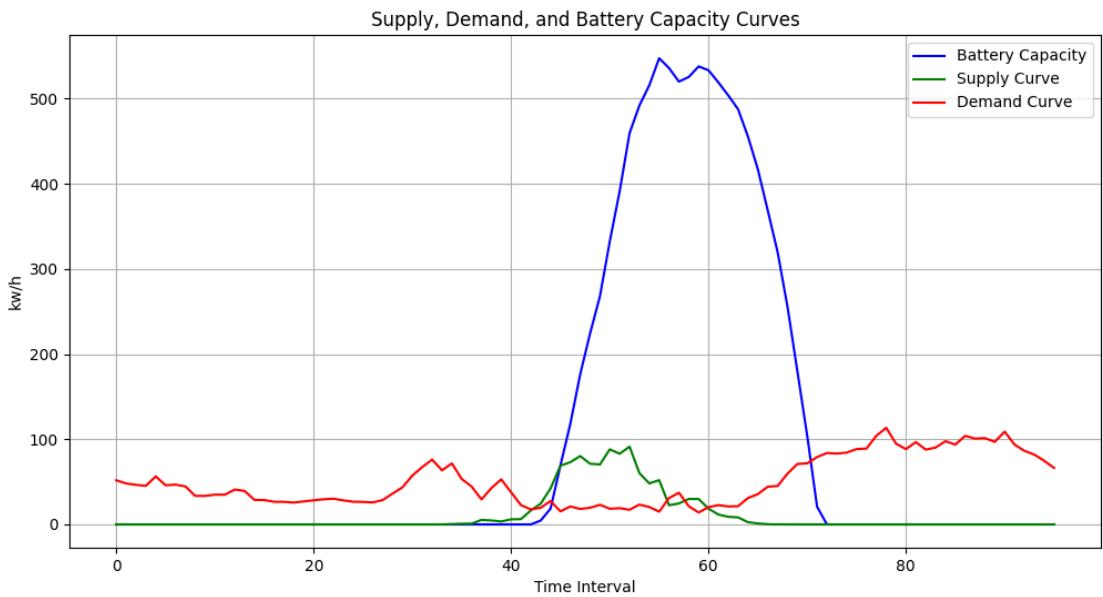
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Ratio of energy sold to battery of overall sold energy

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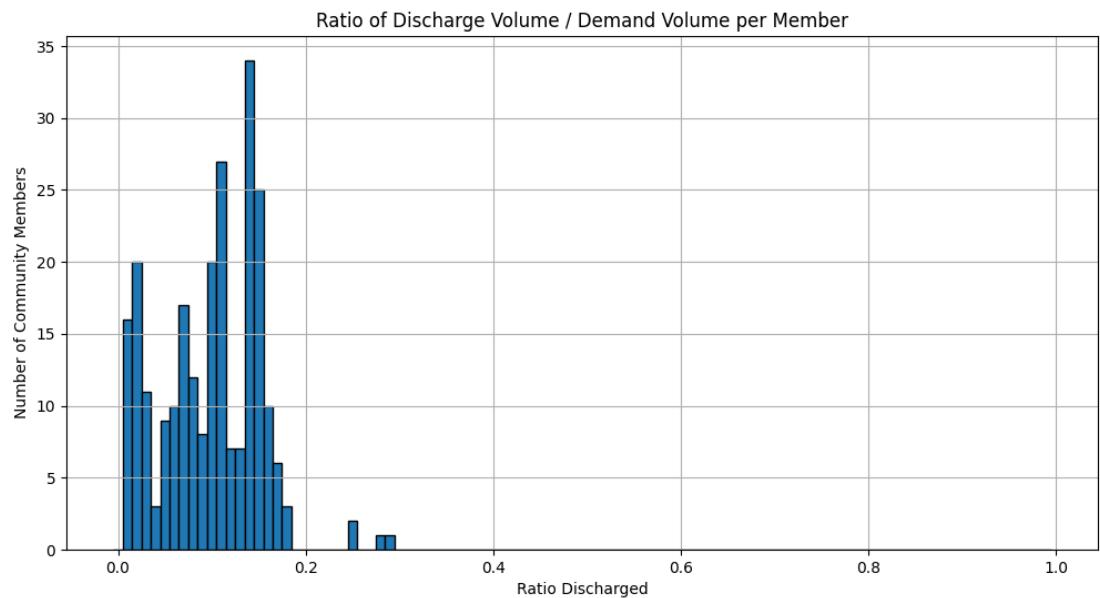
Battery Capacity 1000.0 kw/h

Consumption covered by battery (%): 8.35

Percentage of supply put to battery (%): 58.74

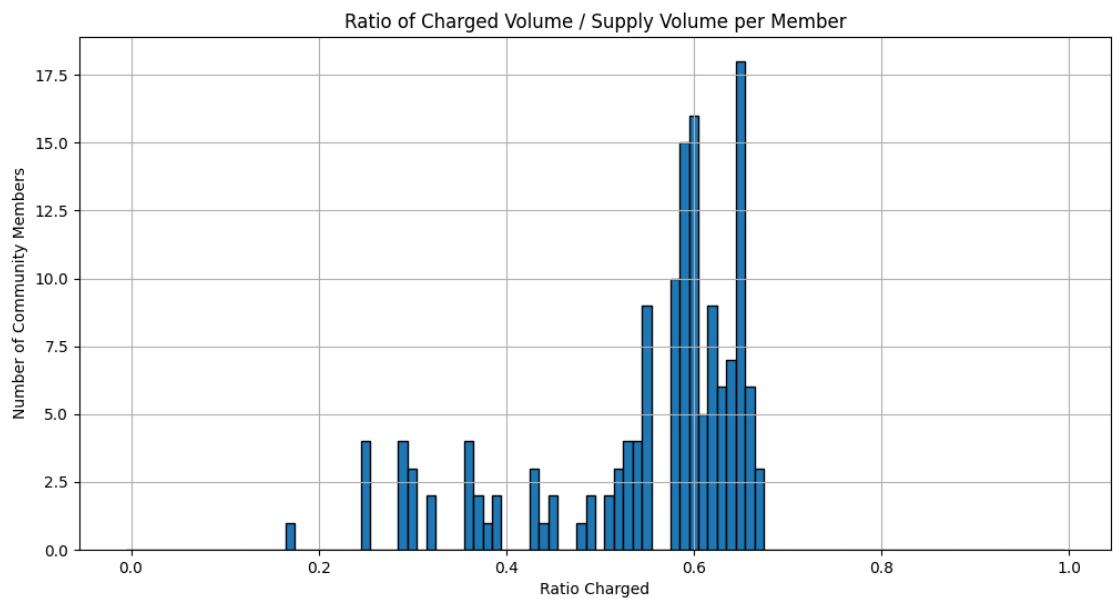
Ratio of energy obtained from battery of overall demand

The following figure plots the ratio of energy obtained from the battery of the overall bought energy per community member.



Ratio of energy sold to battery of overall sold energy

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Ratio of energy sold to battery of overall sold energy

The following figure plots the battery capacity, supply and demand curves over the time period of the dataset.

