

# Operational Optimization of an Agricultural Microgrid

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**Abstract**—Write an abstract here.

## I. INTRODUCTION

**T**HIS is the introduction. This topic is about something really important. [1]

## II. SECTION 2

Citation in text looks like this: [2]. Reference to a figure, equation, section, etc like this: ??.

## REFERENCES

- [1] U. C. Yilmaz, M. E. Sezgin, and M. Gol, "A model predictive control for microgrids considering battery aging," *Journal of Modern Power Systems and Clean Energy*, vol. 8, no. 2, pp. 296–304, 2020.
- [2] Solcast, "Global solar irradiance data and pv system power output data," 2019. [Online]. Available: <https://solcast.com/>
- [3] T.C. Tarım ve Orman Bakanlığı Meteoroloji Genel Müdürlüğü, "Wrf meteogram." [Online]. Available: <https://www.mgm.gov.tr/tahmin/wrf-meteogram.aspx>

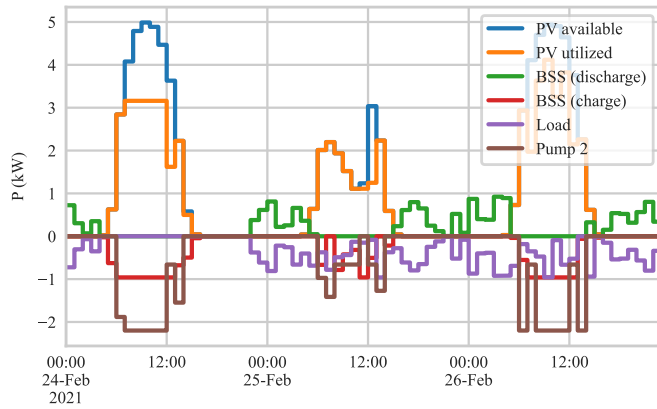


Figure 1. PV-Side Power

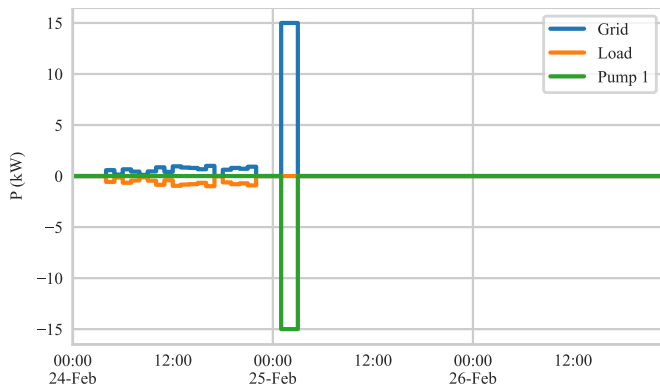


Figure 2. Grid-Side Power

## III. SECTION 3

## IV. SECTION 4

## V. CONCLUSION

Write a conclusion here.

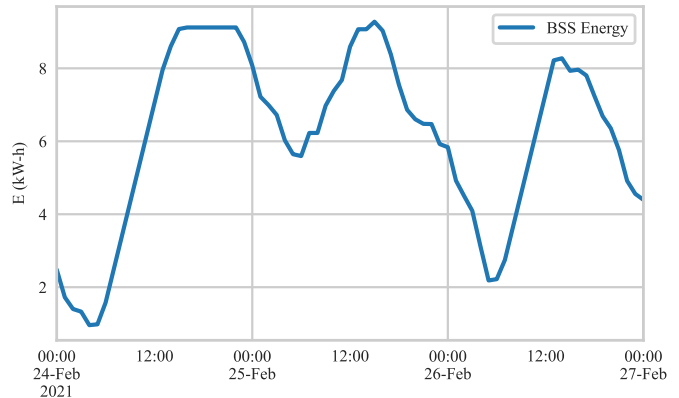


Figure 3. BSS Energy Stored

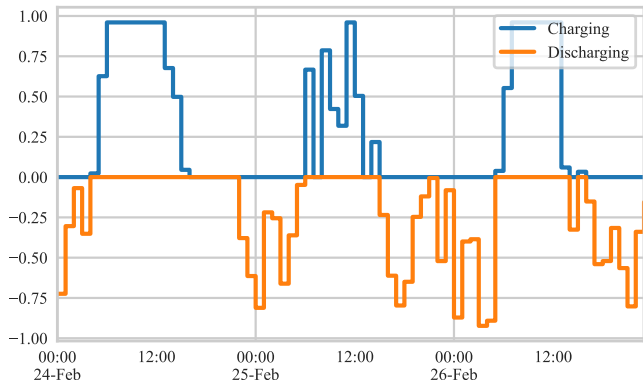


Figure 4. BSS Power (Charging & Discharging)

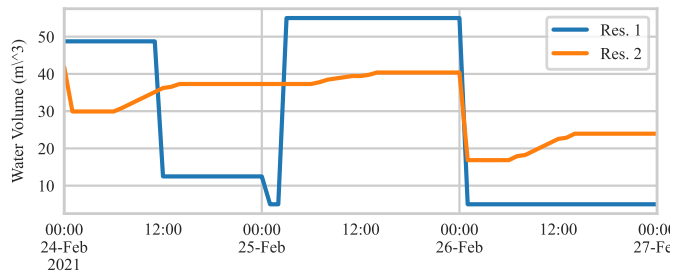


Figure 5. Water Stored

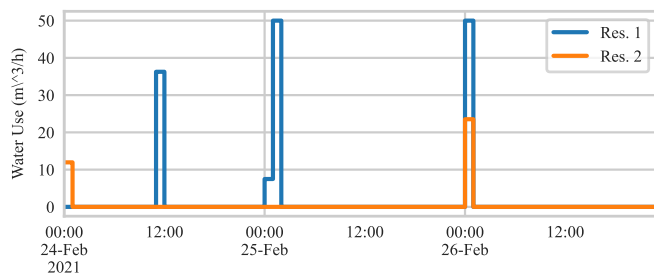


Figure 6. Water Used