

## EMPIRICAL STUDY OF MICROGRID ADOPTION

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### ABSTRACT

We conduct a survey in this study to examine factors that affect consumers' perception of microgrids. We provide the first empirical study to test the factors and impacts on the intention to adopt microgrids. We also provide practical insights into microgrid decision-making and emphasize possible avenues for future research. Possible topics such as cybersecurity involved in adopting microgrids will also be investigated and discussed.

**Keywords:** Microgrids, Adoption, Sustainable technology, Consumer expectations