

The reality and limitations of using solar energy in the city of Ramallah Al Bireh from the consumers point of view .

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Abstract

The study aimed to identify the reality and determinants of the solar energy from the consumers point of view; and if this technique achieved the consumers goal in saving time and effort, and how this system has an effect on both the economical and service life.

The study also focused on the opinions of the consumers about their knowledge of the benefits and side effects of the solar system and their satisfactions on it.

There were differences in the answers of the users of the solar system which due to their previous expertise (age, and gender, education, work and monthly payment, place of living, and the usage of electrical devices).

This study was chosen according to the modernity of the solar system in Palestine, also there were many obstacles that limit without without evaluating the electrical service in the right way. Also the submission of the electrical services to the Israeli occupation is a big problem.

The researcher of this study focused on the descriptive method Also, the researcher used the questionnaire to collect data from the community of her study which focuses on the people who benefit from the solar system. The users of this system in this research were (365) people and the number of people based on the mason equation were around (187) users which makes around 52% from the community of this study.

The study has also reached many results, the most important is that: the citizens and the Palestinian companies have an awareness of the solar system, but the knowledge of this technique remains little on how it works and the ways to finances it while its built, also it has been shown that there's a huge satisfaction of the users of the solar system and the bad side effect of this system is the highly payment needed to put it together and the many procedures needed in order to build it.

The study also aims to benefit from our goods and worldwide experiments in the solar system field and to work better in order to make the procedures in doing this system

easier and more clear to the citizens, and to encourage issuing legislations and exemptions on the governmental payment on the customs fees of the solar system in order to maintain its high price, also it encourages the joint action between the government and the private sector in order to make the process of building this system easier.