
Baghdad Solar Air Conditioning Program Design

In a recent study, Al-Falahi Adil [13] investigated the energy performance of a solar absorption air conditioning system integrated with evacuated tube collectors (ETC), in the ...

Solar thermal-driven air conditioning systems integrated with thermal energy storage are promising to reduce electrical energy consumption in the severe summer months ...

The aim of this work is to investigate the energy performance of a solar-driven air-conditioning system utilizing absorption technology under climate in Baghdad, Iraq. The solar fraction and ...

In this study, a rooftop stand-alone solar electric system is designed to provide all the electrical power to a house in Baghdad-Iraq, ...

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Solar chimney has been frequently adopted in buildings to save energy by enhancing the natural ventilation (Shi et al., 2019). It can be defined as a natural-draft system that uses solar ...

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The Baghdad Pearl gas station, which is located in a strategic location on a major highway connecting Baghdad and the northern and southern provinces on the one hand, ...

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Moreover, the coefficient of performance values shows in the same regions a significant variation from 0.12 to 0.33 all over the year. A detailed parametric study was as well carried out to ...

Solar energy has been introduced as a crucial alternative for many applications, including cooling and air-conditioning, which has been proven to be a reliable and excellent ...

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