

Solar Park is a Palestinian smart Energy Solution Company that was established in January 2016 and registered by the Ministry of National Economy under the No. 562548693. Its headquarter offices are in Beit Sahour/Palestine.

A number of schools, municipality buildings and private firms have also built such PV systems. Three of these PV home systems, have been operating since three years ago, were selected for technical and economical evaluation. Each of these PV is rated at 5 kW.

With the cutting edge technologies, of high quality and with international standards, we are working to develop renewable energy systems to provide integrated solutions in managing, operating and maintaining systems.

Solar energy has the potential to be a useful alternative in Palestine because it has almost 228 sunny days each year. Among the several solar energy techniques, the photovoltaic system has the potential to make a significant contribution to the development of a more sustainable energy system.

This article provides a solution by designing a solar home system represented by a small, lightweight, decentralized and autonomous generation with a combination of four different electric appliances to cover several basic needs.

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# Palestine solar home systemia

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