

SolarTech Power Solutions

Burkina Faso solar power system prices



Overview

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Burkina Faso currently has some of the most expensive electricity in the region, with cost of production at \$0.22-0.25 USD/kWh. The country has had limited experience with private sector. Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV.

Ouagadougou, Burkina Faso receives an average of 3,031 hours of sunlight per year, with approximately 8 hours and 17 minutes of direct sunlight per day. This represents about 69% of the total possible sunlight hours per year (4,383). 1 An average annual production of solar PV systems of about 1.4 –.

After four years of installation, the 15KW solar system has not experienced any equipment failures, the system is running stably, and the maintenance cost is low. Customer Archer and his family are very satisfied with the performance of the 15KW solar system. Whether in daily life or when the grid.

This paper tried to design a PV system and to assess solar power cost per kWh of energy produced using different sizes of PV, batteries and inverters to be used in Ouagadougou Burkina Faso. The system has a daily load of 12.2 kWh/day, 1.5 kW PV modules, 5 batteries, (6 V and 360 Ah), and 1 kW.

Burkina Faso prices for s Faso to irrigate using solar energy. The Burkinabe supplier of solar motor pumps hopes to contribute to the development of irrigated e for solar PV and wind development. It suggests a maximum development potential of approximately 95.9 and 1.96 gigawatts (GW) for sola.

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