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because of this very specific property, the parabolic solar cooker must constantly be realigned with the orbiting sun for maximum effectiveness. Solar cookers

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Parabolic solar
cookers concentrate
sunlight to a single
point. When this point
is focused on the
bottom of a pot, it can
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heat the pot quickly to very high temperatures which can often be comparable with the temperatures achieved in gas and charcoal grills.

This multi-disciplinary
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book presents the most recent advances in exergy, energy, and environmental issues. Volume 2 focuses on applications and covers current problems, future needs, and prospects in the area of energy and environment from researchers worldwide. Based on selected lectures from Page 38/54

the Seventh Solar International Exergy, **Energy and** Environmental Symposium (IEEES7-2015) and complemented by further invited contributions, this comprehensive set of contributions promote the exchange of new ideas and techniques in energy conversion Page 39/54

and conservation in order to exchange best practices in "energetic efficiency". Applications are included that apply to the green transportation and sustainable mobility sectors, especially regarding the development of sustainable technologies for Page 40/54

thermal comforts and green transportation vehicles. Furthermore. contributions on renewable and sustainable energy sources, strategies for energy production, and the carbon-free society constitute an important part of this book. Exergy for Better Environment Page 41/54

and Sustainablity, Volume 2 will appeal to researchers, students, and professionals within engineering and the renewable energy fields.

Solar Energy Index is an index of resources dealing with solar energy, including archival materials Page 42/54

from the International Solar Energy Society collection; references to articles in major solar journals; patents and pamphlets: National Technical Information Service reports; unbound conference proceedings; and other assorted reports. Both theoretical and ""how-Page 43/54

to-do-it" publications are well represented. This book places particular emphasis on terrestrial solar thermal and photovoltaic applications of solar energy. Subjects are classified according to physics, terrestrial wind, collectors, space heating and cooling, economics, Page 44/54

materials, distillation, thermal-electric power systems. photoelectricity, solar furnaces, cooking, biological applications, water heaters. photochemistry, energy storage, mechanical devices, evaporation, sea power, space flight applications, and Page 45/54

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monograph will be of interest to government officials and policymakers concerned with solar energy.

Applications of solar energy have been expanding in recent years across the world. This monograph details such far-reaching and Page 47/54

important applications which have the potential for large impact on various segments of the society. It focuses solar energy technologies for various applications such as generation of electric power, heating, energy storage, etc. This volume will be a Page 48/54

useful guide for or researchers, academics and scientists.

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environmentalSolar dimensions of our energy system, and the key organizations. policy tools, and technologies that can help shape a greenenergy economy. Each entry draws on scholarship from across numerous social sciences. natural and physical sciences, and Page 50/54

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all fronts. We hope this collection of articles can provide those with a sparking interest in the topic to participate in what will hopefully become an equitable and intergenerational conversation about the impacts of our energy consumption and how to make it cleaner and greener. Page 52/54

Via its 150 signed entries, Green Energy: An A-to-Z Guide provides students, professors, and researchers an invaluable reference. presented in an electronic-only format, to the world's energy future.

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