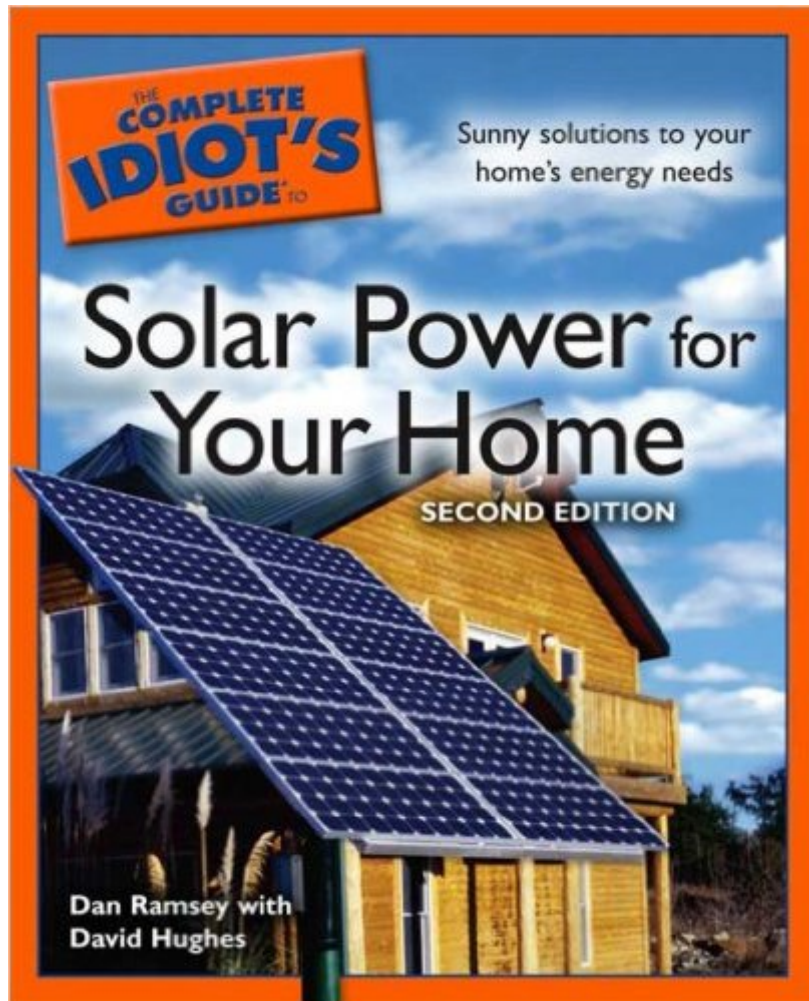


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# The Complete Idiot's Guide To Solar Power For Your Home, 2E



## Synopsis

The perfect source for solar power&#x97;fully illustrated. Solar Power (photovoltaics) is now a one-billion-dollar industry, and it&#x92;s poised to grow rapidly in the near future as more pressure is placed on limited fossil fuel resources and as advances in solar technology drive down the costs of residential solar systems. This book helps readers understand the basics of solar power and other renewable energy sources, explore whether solar power makes sense for them, what their options are, and what&#x92;s involved with installing various on and off-grid systems. &#x97;Fully illustrated &#x97;Covers every conceivable solar-power topic and concern, including updated information on the increasing number of state rebate and incentive programs

## Book Information

Series: The Complete Idiot's Guide

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Average Customer Review: 3.6 out of 5 starsÂ Â See all reviewsÂ (22 customer reviews)

Best Sellers Rank: #203,724 in Books (See Top 100 in Books) #11 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #19 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > Energy Efficiency #77 inÂ Books > Arts & Photography > Architecture > Sustainability & Green Design

## Customer Reviews

Solar Power for Your Homeby David Hughes et al. Alpha Publishers 2010Reviewed by: Dr. Joseph S. MarescaThis is an excellent guide for anyone planning to install solar energy panels in a home or take advantage of the sale of excess renewable power to the local electric company. The work describes solar power functionality and solar energy at work. The processes described are perfect for communities and third world countries operating without public utilities. The process has a solar energy module consisting of a charge controller, battery with an offshoot to a DC load or AC load and an inverter for the AC load. The payback for the solar system is through a federal tax credit, solar rebates, selling power to the local utilities or renewable energy credits. There are several big

initiatives going on right now like the Million Solar Roofs Initiative. The American Recovery and Reinvestment Act is responsible for solar energy promotion on federal buildings. Solar energy may be financed through consumer loans, a 1st or 2nd mortgage, as well as special federal programs like Title I loans. Fannie Mae has a REEL loan program. Prebuilt solar homes are advertised at greenhomesforsale. There are alternate solar panel designs like the solar panel rack mounted at ground level. Designers of solar systems must take into consideration the sun's noontime height above the horizon and the seasonal changes involving the sun repositioning. Solar panels may be installed on a garage roof instead of the roof of the home. A residential solar system can cost \$30/T to \$40/T or \$6 to \$8 per watt.

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