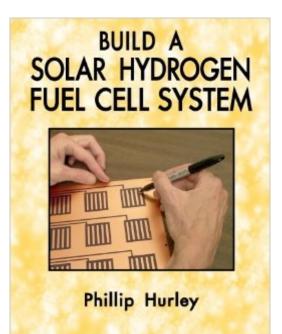
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# Build A Solar Hydrogen Fuel Cell System





## Synopsis

Learn how to construct and operate the components of a solar hydrogen fuel cell system: the fuel cell stack, the electrolyzer to generate hydrogen fuel, simple hydrogen storage, and solar panels designed specifically to run electrolyzers for hydrogen production. Complete, clear, illustrated instructions to build all the major components make it easy for the non-engineer to understand and work with this important new technology. Featured are the author's innovative and practical designs for efficient solar powered hydrogen production including: ESPMs (Electrolyzer Specific Photovoltaic Modules) â " 40 watt solar panels designed specifically to run electrolyzers efficiently; a 40-80 watt electrolyzer for intermittant power from renewable energy sources such as solar and wind; and, a 6-12 watt planar hydrogen fuel cell stack to generate electricity. Any of these components can be ganged or racked, or scaled up in size for higher output. You'll also learn how to set up an entire gas processing system, and where to find parts and materials â " everything you need for an experimental stationary unit that will give you a solid base for building and operating systems for larger power needs. There are even schematics for adapting conventional solar panels (BSPMs â " Battery Specific Photovoltaic Modules) for efficient hydrogen production, and setting up hybrid (battery and fuel cell) PV systems. Build a Solar Hydrogen Fuel Cell System has over 135 photos and illustrations, as well as 5 templates for a planar fuel cell stack. \*NOTE\* If you have never constructed a fuel cell before, we recommend you first study Build Your Own Fuel Cells by the same author, before you attempt to build the planar fuel cell stack.

## **Book Information**

Paperback: 226 pages Publisher: Good Idea Creative Services (November 22, 2013) Language: English ISBN-10: 0983784779 ISBN-13: 978-0983784777 Product Dimensions: 8 x 0.5 x 10 inches Shipping Weight: 1.3 pounds (View shipping rates and policies) Average Customer Review: 4.7 out of 5 stars Â See all reviews (11 customer reviews) Best Sellers Rank: #278,031 in Books (See Top 100 in Books) #27 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Solar #1211 in Books > Science & Math > Nature & Ecology > Conservation #3107 in Books > Science & Math > Physics

## **Customer Reviews**

This is the definitive book that all should have in their personal library. Phillip Hurley takes you step by step to energy independence. No fluff here. Well written and thought out and well documented with illustrations and photos. All one needs to know is how operate a soldering iron. Low tech teaching method with high tech results. Want to slash those energy bills? Buy ALL of his books. Not one contains any disappointment.Ed Rivera

I purchased this book to gain a better understand of fuel cell technology and this book (and author) do a great job. There's a lot of details that don't go too deep, which was exactly what I was seeking. I have zero plans on building my own cell, but I do understand how they work based on how the author laid out each chapter.

It was good info that I will use!! I would recomend it! Doing it his way will save money and get the job done!!

Nice

good info, not quite what I was looking for

Excellent source of information.

Excellent!

#### Excellent

#### Download to continue reading...

Build A Solar Hydrogen Fuel Cell System Solar Electricity Handbook: 2016 Edition: A simple, practical guide to solar energy - designing and installing solar PV systems Solar Electricity Handbook - 2014 Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar Electric Systems Solar II: How to Design, Build and Set Up Photovoltaic Components and Solar Electric Systems Large-Scale Solar Power System Design (GreenSource Books): An Engineering Guide for Grid-Connected Solar Power Generation (McGraw-Hill's Greensource) Fuel Cell Engines Fuel Cell Projects for the Evil Genius Hydrogen Peroxide and Aloe Vera Plus Other Home Remedies Making Cell Groups Work: Navigating the Transformation to a Cell-Based Church Solar Cooking for Home & Camp: How to Make and Use a Solar Cooker The Passive Solar House: Using Solar Design to Heat and Cool Your Home (Real Goods Independent Living Book) Solar Water Heating--Revised & Expanded Edition: A Comprehensive Guide to Solar Water and Space Heating Systems (Mother Earth News Wiser Living Series) The Passive Solar Energy Book: A Complete Guide to Passive Solar Home, Greenhouse and Building Design The Renewable Energy Home Handbook: Insulation & energy saving, Living off-grid, Bio-mass heating, Wind turbines, Solar electric PV generation, Solar water heating, Heat pumps, & more Solar Wind Nine: Proceedings of the Ninth International Solar Wind Conference: Nantucket, Massachusetts, 5-9 October 1998 (AIP Conference Proceedings / Astronomy and Astrophysics) Build Your Own Fuel Cells Leave The Grind Behind: Rocket fuel to live life on your terms. Make more money, build your legacy, and quit your job. Diesel Engine and Fuel System Repair (5th Edition) The Year-Round Solar Greenhouse: How to Design and Build a Net-Zero Energy Greenhouse Build Your Own Solar Panel: Generate Electricity from the Sun.

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