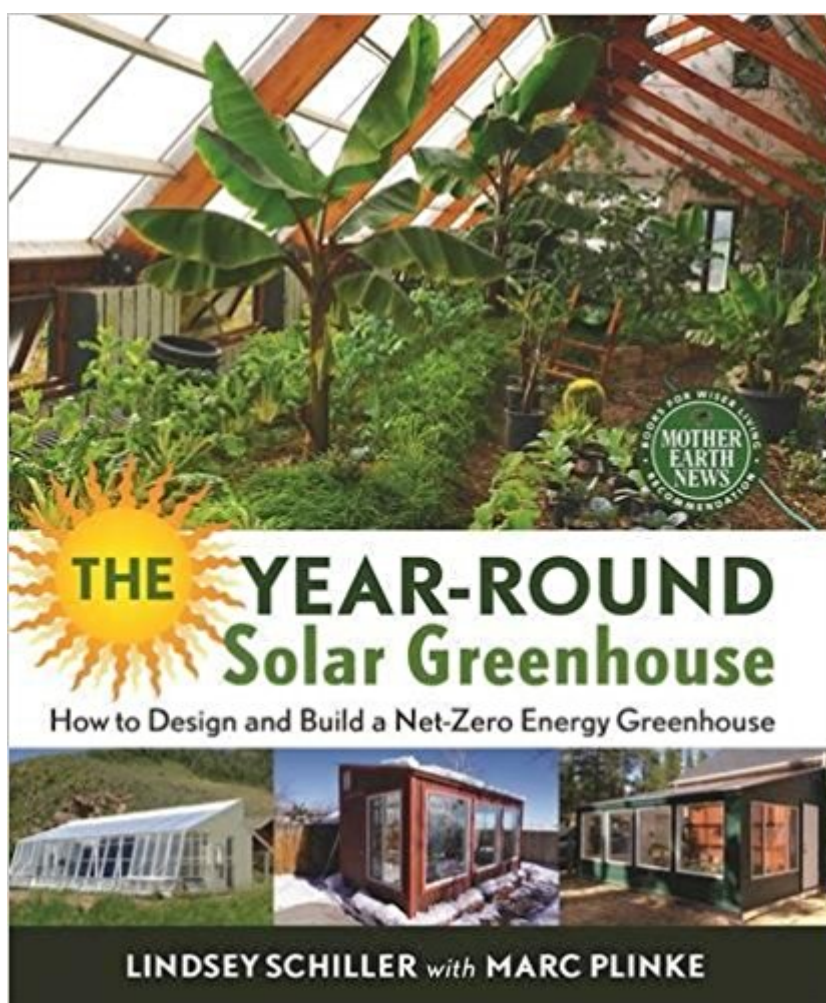


The book was found

The Year-Round Solar Greenhouse: How To Design And Build A Net-Zero Energy Greenhouse



Synopsis

Fresh, local nutrient-dense fruits vegetables are hard to find in winter in cold climates. Growing warm-weather crops like tomatoes, bananas, avocados, and other perennials is nearly impossible using conventional structures. The solution for millions of backyard and small-scale commercial growers is self-heating solar greenhouses. *The Year-round Solar Greenhouse* is the one-stop guide to designing and building greenhouses that harness and store energy from the sun to create naturally heated, lush growing environments even in the depths of winter, covering principles of solar greenhouse design and siting, glazing material properties and selection, controlling heat loss, ventilation, and construction methods. Additionally, an in-depth section covers sustainable ways of heating the greenhouse without fossil fuels, including using thermal mass and storing heat underground with a ground to air heat exchanger. Variations include attached solar greenhouses, earth sheltered greenhouses, plus integrating hydroponics and aquaponics. More than a dozen case studies from across North America provide inspiration and demonstrate specific challenges and solutions for growing year-round in any climate. Grow your own food, anytime, anywhere using the power of the sun! Lindsey Schiller is a greenhouse designer and with co-author Marc Plinke, co-owner of Ceres Greenhouse Solutions. Lindsey has designed, toured and helped build hundreds of energy-efficient greenhouses spanning small residential structures to acre-size commercial facilities. Marc Plinke is an inventor-innovator with a PhD in engineering who has focused his engineering mindset on building innovative, energy-efficient and smarter greenhouses, with the intention of enabling people to grow their own food sustainably and year-round.

Book Information

Paperback: 320 pages

Publisher: New Society Publishers (November 15, 2016)

Language: English

ISBN-10: 0865718245

ISBN-13: 978-0865718241

Product Dimensions: 7.2 x 0.7 x 8.8 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars 18 customer reviews

Best Sellers Rank: #61,395 in Books (See Top 100 in Books) #9 in [Books > Crafts, Hobbies & Home > Gardening & Landscape Design > Greenhouses](#) #12 in [Books > Arts & Photography > Architecture > Sustainability & Green Design](#) #21 in [Books > Science & Math > Agricultural](#)

Customer Reviews

Fresh, local nutrient-dense fruits vegetables are hard to find in winter in cold climates. Growing warm-weather crops like tomatoes, bananas, avocados, and other perennials is nearly impossible using conventional structures. The solution for millions of backyard and small-scale commercial growers is self-heating solar greenhouses. *The Year-round Solar Greenhouse* is the one-stop guide to designing and building greenhouses that harness and store energy from the sun to create naturally heated, lush growing environments even in the depths of winter, covering principles of solar greenhouse design and siting, glazing material properties and selection, controlling heat loss, ventilation, and construction methods. Additionally, an in-depth section covers sustainable ways of heating the greenhouse without fossil fuels, including using thermal mass and storing heat underground with a ground to air heat exchanger. Variations include attached solar greenhouses, earth sheltered greenhouses, plus integrating hydroponics and aquaponics. More than a dozen case studies from across North America provide inspiration and demonstrate specific challenges and solutions for growing year-round in any climate. Grow your own food, anytime, anywhere using the power of the sun!

Lindsey Schiller studied conventional greenhouse design and management at the University of Arizona's Controlled Environmental Agriculture Center before delving deeply into solar greenhouse design. With co-author Marc Plinke, she founded Ceres Greenhouse Solutions to research, design and build energy-efficient year-round greenhouses. Lindsey has designed, toured and helped build hundreds of energy-efficient greenhouses spanning small residential structures to acre-size commercial facilities. Marc Plinke, an inventor-innovator with a PhD in engineering, started his career as a chemical and process engineer working for Gore Technologies. He later retrofitted his family's 1950's Boulder, CO ranch home into a net-zero-energy home, spurring a second career in green building design. Marc has spent the past decade applying his expertise in green building and engineering mindset to building better greenhouses, with the intention of enabling people to grow their own food sustainably, year-round.

I loved the book. Lookig forward to my first solar green house!

Very good resource for all solar greenhouse needs. Very easy read.

I've read many books on hydroponics and aquaponics, however this book touches on necessities that need to be addressed before you get to the stage of building the actual grow beds, watering systems, etc.. Highly recommended for anyone intending to use a greenhouse.

The author has lots of experience and cites very good references. It is a practical book with lots of good ideas.

Great book.

Useful.

Very informative with great information to help with my solar house design. Well written.

Exactly as described!

[Download to continue reading...](#)

Greenhouse : Greenhouse for Beginners: The Layman's Guide to Greenhouse Construction, Plans & Gardening (Greenhouse, Greenhouse for Beginners, Greenhouse ... Greenhouse Construction,

Greenhouse Plans) The Year-Round Solar Greenhouse: How to Design and Build a Net-Zero

Energy Greenhouse Greenhouse: Greenhouse Gardening Box Set (Greenhouse, Greenhouse

Gardening, Greenhouse Gardening for Beginners, Greenhouse for Dummies, Garden, Gardening)

Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power Systems)

Greenhouse Gardening the Easy Way!: Learn to Greenhouse Garden: What plants grow best, how to use vertical gardening and other methods to create an optimal year round or seasonal

greenhouse. A World of Three Zeros: The New Economics of Zero Poverty, Zero Unemployment,

and Zero Net Carbon Emissions The Passive Solar Energy Book: A Complete Guide to Passive

Solar Home, Greenhouse and Building Design DIY Greenhouse: How to Build a Walk-In, Ventilated Greenhouse Using Wood, Plastic Sheeting & PVC (Greenhouse Plans Series) Greenhouse

Gardening - A Beginners Guide To Growing Fruit and Vegetables All Year Round: Everything You

Need To Know About Owning A Greenhouse (Inspiring Gardening Ideas Book 18) Ultimate Guide

To Greenhouse Gardening for Beginners: How to Grow Flowers and Vegetables Year-Round In

Your Greenhouse Solar Electricity Handbook: 2017 Edition: A simple, practical guide to solar energy

? designing and installing solar photovoltaic systems. Solar Electricity Handbook - 2015 Edition: A simple, practical guide to solar energy - designing and installing solar PV systems. Solar Electricity Handbook - 2013 Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar Electric Systems Solar Electricity Handbook - 2014 Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar Electric Systems Solar Electricity Handbook - 2012 Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar Electric Systems The New Net Zero: Leading-Edge Design and Construction of Homes and Buildings for a Renewable Energy Future Greenhouse Gardening: How to Start a Greenhouse Garden, and Grow Greenhouse Vegetables, Herbs and More! Net Zero Energy Design: A Guide for Commercial Architecture Design Professional's Guide to Zero Net Energy Buildings Off-Grid Living: How To Build Wind Turbine, Solar Panels And Micro Hydroelectric Generator To Power Up Your House: (Wind Power, Hydropower, Solar Energy, Power Generation)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)