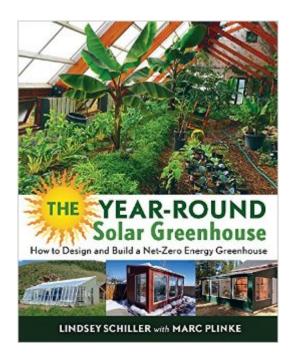
The book was found

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 8, 2016) Language: English ISBN-10: 0865718245 ISBN-13: 978-0865718241 Shipping Weight: 1.1 pounds (View shipping rates and policies) Best Sellers Rank: #98,019 in Books (See Top 100 in Books) #12 in Books > Crafts, Hobbies & Home > Gardening & Landscape Design > Greenhouses #27 in Books > Arts & Photography > Architecture > Sustainability & Green Design #29 in Books > Science & Math > Agricultural Sciences > Horticulture

The Year-Round Solar Greenhouse: How to Design and Build a Net-Zero Energy Greenhouse The Passive Solar Energy Book: A Complete Guide to Passive Solar Home, Greenhouse and Building Design The Ultimate Guide to Greenhouse Gardening for Beginners: How to Grow Flowers and Vegetables Year-Round in Your Greenhouse (2nd Edition) 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 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 Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources Greenhouse Gardening: 5 Easy Steps to Grow Anything in a Greenhouse for Beginners Solar II: How to Design, Build and Set Up Photovoltaic Components and Solar Electric Systems The New Net Zero: Leading-Edge Design and Construction of Homes and Buildings for a Renewable Energy Future The Mobility Revolution: Zero Emissions, Zero Accidents, Zero Ownership Net Zero Energy Design: A Guide for Commercial Architecture 'Round and 'Round the Garden: Music in My First Year! (First Steps CDs and Cassettes) MCAD/MCSD Self-Paced Training Kit: Developing Windows®-Based Applications with Microsoft® Visual Basic® .NET and Microsoft Visual C#® .NET, Second Ed: ... C#(r) .Net, Second Ed (Pro-Certification) The Homeowner's Guide to Renewable Energy: Achieving Energy Independence Through Solar, Wind, Biomass, and Hydropower Energy from the Sun: Solar Power (Next Generation Energy) Toward a Zero Energy Home: A Complete Guide to Energy Self-Sufficiency at Home The Passive Solar House: Using Solar Design to Heat and Cool Your Home (Real Goods Independent Living Book) Large-Scale Solar Power System Design (GreenSource Books): An Engineering Guide for Grid-Connected Solar Power Generation (McGraw-Hill's Greensource) Let It Shine: The 6,000-Year Story of Solar Energy

<u>Dmca</u>