

## European Solar and Energy Storage Solutions

# Make your own solar power from plastic bottles

**SMART BMS PROTECTION**



The central battery is labeled: **LiFePO4 Battery**, **12V 100Ah**, **Lithium Iron Phosphate Deep Cycle Battery**, and **Made in China**. It also features CE, RoHS, and other certification symbols.

- OVER-CHARGE** (Icon: 'A' in a circle)
- SHORT CIRCUIT** (Icon: Battery with lightning bolt)
- OVER-DISCHARGE** (Icon: Battery with low level)
- OVER-CURRENT** (Icon: Battery with lightning bolt and pulse)
- CELL BALANCE** (Icon: Two circular arrows)
- Smartphone with BMS app interface



## Overview

---

Steps to Build a Solar Bottle Bulb:1. Prepare the Bottle: Clean the plastic bottle thoroughly, removing all labels and adhesive residues. 2. Sealing the Bottle: Apply a ring of sealant around the bottle cap and screw it tightly. 3. Preparing the Roof: Identify the location on the roof where the bulb will be installed. 4. Installing the Bottle: . 5. Final Touches: .

Steps to Build a Solar Bottle Bulb:1. Prepare the Bottle: Clean the plastic bottle thoroughly, removing all labels and adhesive residues. 2. Sealing the Bottle: Apply a ring of sealant around the bottle cap and screw it tightly. 3. Preparing the Roof: Identify the location on the roof where the bulb will be installed. 4. Installing the Bottle: . 5. Final Touches: .

This project combines the two loves into a solar water kettle made from old plastic bottles. This kettle will heat 16 oz of water in full sun to a nice hot/warm temperature for some sun tea or wash.

"One's trash is another's treasure", I said to myself and started collecting empty plastic bottles. This is to be my experimental environmentally friendly solar heater. Step 1: Here's My Treasure.

Creating a solar water heater from plastic bottles is a rewarding and practical project. It not only provides hot water using renewable energy but also helps reduce plastic waste. This guide has covered the essential steps, from gathering materials to maintaining your system.

Create a solar water heater using recycled plastic bottles, a cost-effective and eco-friendly solution. Harness the power of the sun to heat water for your home, reducing your reliance on fossil fuels. Easily replicate this DIY project at home with step-by-step instructions.

## Make your own solar power from plastic bottles

---



### How to make a solar water heater from plastic bottles

This simple and effective diy solar water heater would be ideal for South Africa and it's neighbouring countries - landfills are being overwhelmed by plastic water bottles and the majority of people in the region do not have ...

### 10 DIY Solar Water Heater Plans That Cut Down Your ...

Should you be working on a budget, create a solar water heater using plastic bottles, an old barrel, or parts of a discarded fridge. The temperature of the water depends on the duration of sunlight exposure and ...



### How to Make the Best DIY Fairy Garden House (It Glows!)

Cut the top off bottle to make main body of the house. Be sure the solar light will be able to rest on the top of the bottle without falling in. If the size is wrong, choose a small bottle or a larger light. Adhere the fairy door and ...

### 10 DIY Solar Water Heater Plans That Cut Down Your ...

Make your own portable solar water heater using

these steps: Make a hole in the lid to avoid air locking. Fix the temperature gauge on the lid. Make holes in the bucket and fix the gasket on one of the holes. Attach the ...



## DIY Solar Water Heater: 10 Designs and How to Build ...

This cheap DIY solar water heater uses beer bottles to make the pipes through which the water flows. Alternatively, one may use aluminum cans or plastic bottles. After stacking several columns and connecting them in ...

## Development of a Solar Powered Charging Station via Recyclable Plastic

Bottles are deposited through charging station is composed of a Gizduino Mega ADK, the bottle hatch in the centre of the system; a larger Solar Panel, Charge Controller, and Lead Acid ...



## How To Make A Solar Water Heater From Plastic ...

Make sure to like Living Green and Frugally on Facebook, Shop at Amazon to help support my site and explore our PINTEREST BOARDS for innovative ways you can become self-sufficient.. You can harness the power ...



## DIY Solar Water Heater from Plastic Bottles: A ...

Creating a solar water heater from plastic bottles is a rewarding and practical project. It not only provides hot water using renewable energy but also helps reduce plastic waste. This guide has covered the essential steps, from ...



## How to make a solar water heater from plastic bottles

How to make a solar water heater from plastic bottles. Giovana Zilli. , 6th May 2010. Retired mechanic Jose Alano invented a simple, cheap, energy saving rooftop solar water heater which is benefiting thousands of people.

## How To Build Your Own Solar Bottle Bulb And Get Free Off-Grid Lighting

Here's the original story if you've missed it, and in the video below you'll learn how to build your very own solar bottle bulb (not suitable for climates where water can freeze). ...



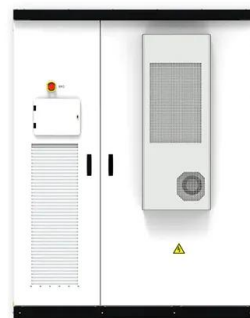
## How To Build Your Own Solar Bottle Bulb And Get ...

Here's the original story if you've missed it, and in the video below you'll learn how to build your very own solar bottle bulb (not suitable for climates where water can freeze). Since the first video was filmed they've ...



## How To Make A Solar Water Distiller

Making a solar water distiller is a great way to produce high-quality, clean drinking water from almost any source. This process requires minimal equipment and is powered by the sun, making it an eco-friendly and ...



## How To Make A Solar Water Heater From Plastic Bottles

How To Make A Solar Water Heater From Plastic Bottles. The Invention. The standard solar water heaters cost a couple of 1000\$ and have copper as a main element. The Plastic Bottle solar water heater is based on ...

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.ssab-proiect.eu>