

DIY How To Build A Portable Solar Battery Generator



Follow these easy DIY plans and build your own solar powered battery generator.

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This is a little solar generator i made for camping and fishing. It could come in handy in a power outage as well.

supplies needed:

- 1.26w weather proof solar panel \$30.00 (cabelas)
- 12v 7.5amp rechargeable sealed lead-acid battery \$30.00 (radioshack)
- 12v socket \$11.00 (walmart)
- cooler \$8.00 (walmart)
- nuts/bolts \$2.00 (walmart)
- wire plugs \$2.00 (walmart)
- super glue \$1.00 (dollar store)

TOTAL: \$84.00

w/tax around \$90.00

tools needed:

- drill
- utility knife
- screw drivers
- wire cutters

Cutting wires and holes

I made no exact measurements for wire length, just guesstimation. using a tape measurer i centered the panel on the lid and used the 12v socket for the hole pattern on the side. On the lid I drilled 5 holes, 4 for the panel to mount to the lid and 1 for the panel wire.

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Assembly

First I bolted the panel to the lid and ran the wires through, because of the uneven surface on the underside larger holes were made to make access to the nuts to be placed in the hollow cavity of the lid.

Next the 12v socket was threaded into place.

super glue was applied to the nuts and the 12v socket threading to insure vibration would not cause anything to come loose.

After the glue set I crimped the wires from the panel and the 12v outlet to quick disconnect tabs.

the final step was dropping in the battery and plugging in the wires.



Testing

Plugged in the power inverter and a lamp with a compact fluorescent bulb to test it out.



Enjoy!

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