



CAMBIO ENERGÉTICO

ESPECIALISTA EN AHORRO ENERGÉTICO Y RENOVABLES

MANUAL QUICK INSTALLATION AND MAINTENANCE OF PHOTOVOLTAIC SOLAR KIT

<http://www.cambioenergetico.com>



PHOTOVOLTAIC SOLAR KIT HOMES WITHOUT ELECTRICITY AND HOUSES WITH RED ELECTRIC FOR OWN USE

You can see all of our solar kits in any of these urls:

<http://www.cambioenergetico.com/111-kits-solares>

<http://www.cambioenergetico.com/blog/11-kit-energia-solar-casa-de-campo-autoinstalable>

<http://www.cambioenergetico.com/blog/12-kit-energia-solar-para-autoconsumo->

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1. PRECAUTIONS BEFORE MOUNTING YOUR SOLAR KIT

- 1.1. Table mounting solar kit must be installed in a dry, clean and ventilated. The sound of the fan inverter which serves for cooling equipment can be annoying, eg if placed in a study room or bedroom.
- 1.2. The batteries of the solar kit must be in a ventilated place (except batteries GEL or AGM).
- 1.3. Batteries should not be placed under the table kit should be placed aside.
- 1.4. The batteries or other electrical components must not be accessible to children, to prevent accidents due to improper handling.
- 1.5. The solar kit must be connected to a box protections (differential thermal magneto, earth), if the local plant do this dialog protections may indicate it and provided by the solar kit.
- 1.6. The solar kit is ready to be mounted without electrical knowledge.
- 1.7. All connections to be made by the user are prepared with MC4 panels and connectors for quick connectors for batteries, so it is not necessary to manipulate the cables.
- 1.8. In the event that it is necessary to manipulate the wiring or modifications in the solar kit are to be performed by qualified personnel should contact our technicians.
- 1.9. When installing the kit, as a precaution, it is necessary to wear shoes with rubber soles that can prevent possible earth faults.



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2. INSTRUCTIONS FOR ASSEMBLY OF SOLAR KIT IN 5 EASY STEPS

These instructions are generic kit for solar battery consumption and housing WITHOUT ELECTRICITY therefore not replace, the specific instructions for each component separately, which are delivered with these instructions and you should read.

- 2.1. . Remove the fuses and circuit breakers low solar kit box to avoid accidents during handling of the solar kit.



DC Power Fuses



Alternating Current Circuit breaker

- 2.2. Set the table with pre-assembled solar kit components (such as photography) to the wall, preferably near the box housing protections. To do this make 3 or 4 holes depending on the weight of the kit, using 8 wall plugs and screws 8 to screw the box.





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2.3. Place the solar kit solar panels facing south and with an inclination of about 40° relative to the ground. You can make your own structure, order it to a blacksmith in your town or order a solution tailored to your needs in our section of structures for solar kits.

(<http://www.cambioenergetico.com/108-kits-de-estructuras-y-fijaciones-para-paneles-solares>)



2.4. MC4 connectors connecting solar panels to the frame of the solar kit. Just follow the numbering tags: connect the connector that is labeled with the number 1 with your partner (also wears a tag with a 1), the connector that carries the number 2, connect it to your partner (sticker with a 2).



Conectores MC4, macho y hembra



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- 2.5. Place batteries solar kit in a clean, dry, airy and near the site of the solar kit box, but never just below it (gas can damage equipment). Note that the cables connecting the batteries with solar kit box have 2 meters.



Crimp Terminal Battery OPZS



Quick connectors for batteries

- 2.6. Connect the inverter to consumption. The pictures of the solar kit has a socket for direct connection consumption without manipulating the wiring of the home. In case you have the necessary knowledge is appropriate to connect the solar kit box directly to the breaker panel housing.

- 2.7. Once checked that all connections are made in the order indicated on the labels placed fuses solar kit: it is very important !!! orden!!!. First the fuse labeled "batteries" after the fuse labeled "panels" then the fuse label that says "inverter" (the latter fuse is not available in solar battery kit for home consumption).

- 2.8. Turn the inverter (on button) and drives the magneto-thermal solar kit box.

- 2.9. Already have electricity in your home



3. MAINTENANCE OF SOLAR KIT FOR YOU

This summary does not replace the maintenance specific to each computer that is detailed in the specific manuals for the equipment.

BATTERIES	SOLAR PANELS	STRUCTURE PANELS	INVERTER / REGULATOR	SOLAR PANEL KIT
At least 2 times a year, review water levels vessel and if adding distilled water (never in GEL or AGM batteries)	Cleaning of solar panels with water spray or a cloth and water.	Retighten screws and fasteners	Checking Connections and wiring status, retighten connections.	Checking Connections and wiring status, retighten connections.
Review of electrolyte density levels of all vessels using a hydrometer (only batteries OPZS).	Checking Connections and wiring status, identifying possible disconnections or frayed cables.	Identify oxidation, deterioration, etc. and put corrective measures if necessary.	Cleaning the outside: remove dust from equipment and check that the vents are not obstructed by dust.	Review the status of the fuses. If no external signs of deterioration call our Technical Service
Review connections, greased and retighten them if necessary.	Visual inspection of the plates, connectors and wiring, if no external deterioration (friction, swelling, etc) to communicate it to our Technical Service		Identification of possible external damage. Inform our Technical Service.	
Visual inspection of the batteries, if no external deterioration (sulfate, blackening, swelling) communicate them to our Technical Service.				
In the case of having battery charger, once a year, charge the batteries until it stops. To do this optimally contact our technical service.				

If you have any doubts speaks directly to our Technical Service in the 673056580

You can see all our [solar kits](#)