



CL-1200 SOLAR CHARGER

INSTRUCTIONS

PRODUCT DESCRIPTION

The Coleman® solar battery charger lets you use the free power of the sun to keep your RV, boat, truck, mobile home or cottage 12V batteries charged so you can run small appliances such as fluorescent lights, coolers, small TVs, laptops or VCRs.

You can increase the power output at the same voltage by connecting multiple CL-1200 panels together. Simply remove the battery clamps from the wiring and join positive to positive, negative to negative, prior to connecting to the battery. You can also use the special wiring harness (Item #10096) that may be included with your panel. A charge controller must be used.

PACKAGE CONTENTS (SEE ILLUSTRATION 1)

- ① One weatherproof solar panel with a 10ft power cable
- ② Male cigarette lighter adapter
- ③ One pair of battery clamps
- ④ Four stainless mounting screws
- ⑤ Instructions

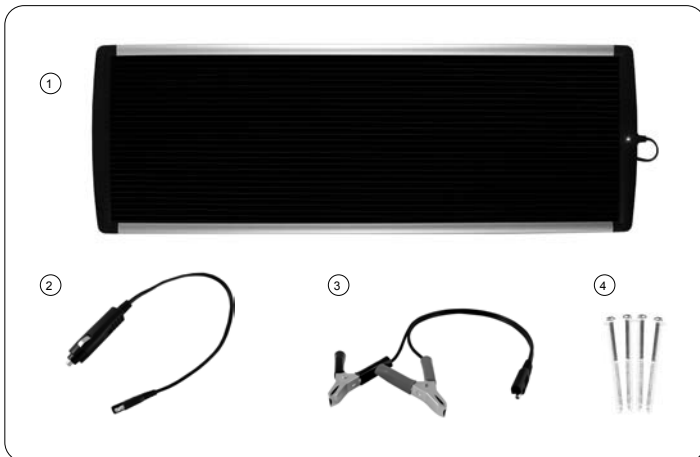


Illustration 1

OPERATING INSTRUCTIONS

MOUNTING OPTIONS

You can permanently mount the panel in a location of your choice (indoor or outdoor) by using the set of mounting screws supplied in the package. Do not overtighten.

CONNECTION THROUGH A CIGARETTE LIGHTER ADAPTER OR 12V POWER SOCKET

Connect the power cable into the back of the panel, then connect the male cigarette lighter adapter into your vehicle's 12V power female socket. Ensure that the connectors at both ends fit firmly into their sockets.

IMPORTANT NOTE: In some car models, the cigarette lighter socket is inactive while the vehicle is turned off. Please consult your car owner's manual before using the cigarette lighter adapter to connect your CL-1200.

CONNECTING TO THE BATTERY (SEE ILLUSTRATION 2)

IMPORTANT NOTE: We highly recommend using a charge controller (not included) as it will protect your battery from overcharging and optimize the charging process.

If you are attaching your panel directly to the battery, connect the battery clamps according to the proper polarity (i.e. red clamp to positive white wire, black clamp to negative black wire). Then connect the clamps to the battery terminals ensuring that all connections are positive (+) to positive (+) and (-) negative to negative (-).

If you are using a charge controller, as recommended, refer to the charge controller instructions.

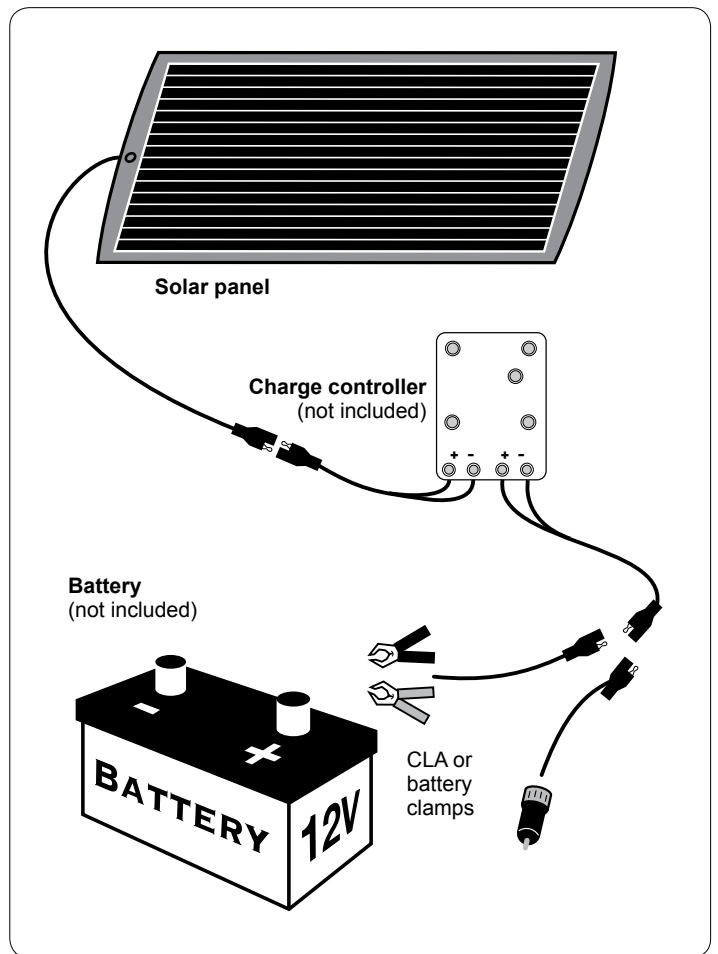


Illustration 2

GENERAL SPECIFICATIONS

Model #: CL-1200

Electrical: 1.2A @ 15V, 18W

Dimensions: 98.9 x 35.7 x 2.3 cm / 38.9 x 14.1 x 0.91 in.

Weight: 4.8 kg / 10.6 lbs.

FREQUENTLY ASKED QUESTIONS

Q1: What types of batteries can I recharge?

A: You can recharge all types of 12V batteries including automotive, deep cycle, traction, gel-cell and heavy-duty.

Q2: How long will it take to charge a dead battery?

A: This solar panel will supply the battery with 1.2A in full sun. Therefore, depending on type of battery and conditions, a battery requiring 30 amp-hours for full charge would take approximately 25 hours of full sunshine to recharge. If you double the number of panels, you should expect half the time.

Q3: Can my solar panel drain my battery at night?

A: No. This solar panel is equipped with a built-in diode, which prevents any reverse current.

Q4: Can I overcharge my battery with this solar panel?

A: Yes, it is important to use a charge controller with these panels. The charge controller will protect your battery from overcharge.

Q5: Can my solar panel be left outdoors without protective covering?

A: Yes, this panel has been weather protected and can be mounted outdoors.

Q6: Can I mount the solar panel directly to a surface?

A: Yes, the panel can be installed flat using the mounting screws provided. It is specially designed to permit airflow below the surface so that heat and humidity do not build up.

Q7: Can I run an appliance, without a battery, by connecting it directly to my solar panel?

A: Yes, provided that the appliance is wired directly and its power needs are less than the solar panel's output capacity. However, without a battery to store the power, the voltage and current supplied by the solar panel may vary and drop as soon as some clouds pass over, possibly causing your appliance to slow or stop working. Running directly from the solar panel may be perfect for an application that is designed to only work on sunny days, like a solar operated fan.

NEED MORE HELP? WE'RE JUST A CLICK AWAY!

- 1) Visit the Coleman® Solar website at: www.colemansolar.com
- 2) Send an e-mail to: customers@icpsolar.com. Our technical support staff will answer all your questions within 24 hours.
- 3) In North America call 1.888.427.7652 (toll-free) between 9AM and 5PM (Eastern Standard Time).

WARRANTY:

Please register online at:
http://www.icpsolar.com/4105/warranty_registration.asp


WARRANTY PERIOD: 2 YEARS

ICP Solar Technologies grants the original purchaser of the product a Limited Warranty on the power output and the materials of the module. ICP guarantees that unit will produce a minimum 80% of its original power rating for the Warranty Period from the purchase date. ICP warrants the module to be free from defects in materials and workmanship under normal applications, installation, use and service conditions for the Warranty Period from the purchase date. ICP will, at its option, either repair or replace the product if it becomes inoperable due to a defect in material or labor during the Warranty Period.

This warranty does not cover installation or costs derived thereof. ICP shall not be responsible for any costs due to removal, shipment, re-installation or any other loss due to warranty servicing. The maximum liability to ICP under this warranty shall not exceed the purchase price of this product. This warranty does not cover any module, which has been damaged by misuse, neglect, improper installation or acts of God, including lightning, floods, earthquakes, fire and high winds. This warranty does not cover accessories included with the product. This warranty does not cover broken glass or defective wires. This warranty does not cover damage due to water infiltration unless the product is weatherproofed by ICP. ICP shall not be responsible for any damage to persons or property caused by improper installation, misuse or improper handling of this product.

Some states do not allow exclusion or limitation of accidental or consequential losses so the exclusions may not apply to the purchase. This warranty gives you specific legal rights and you may have other rights, which vary from one state (or province) to another. If warranty service is required, please contact beforehand the dealer or distributor who sold you the module. For further assistance, contact our customer service department at customers@icpsolar.com or by calling our toll-free line at 1-888-427-7652. Please note that ICP will not accept returns without prior authorization. The original proof of purchase is required for warranty validation.

© 2006 The Coleman Company, Inc. All rights reserved.

Coleman® and  are registered trademarks of The Coleman Company, Inc., used under license. Solar cells made in the United Kingdom under ISO9001:2000 quality management. Designed and manufactured by ICP Solar Technologies. Engineered in Canada with ICP Solar UK-made solar cells.
Assembled in China.

