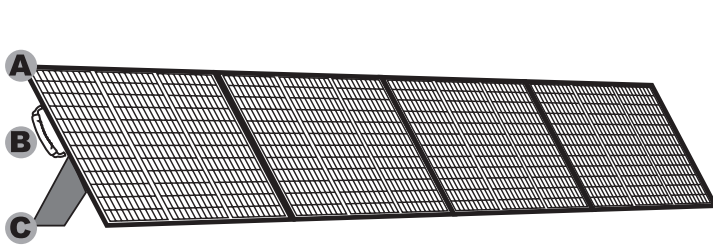




User Guide - 50/100/200 Watt Portable Solar Panels

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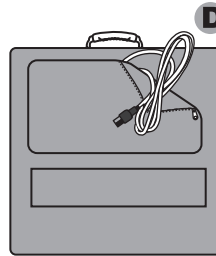
Product Details



A. Portable folding solar panel
(200 Watt model shown)

B. Carry handle

C. Folding legs



D. Power cable (attached to solar panel)



E. Protective front closure flap

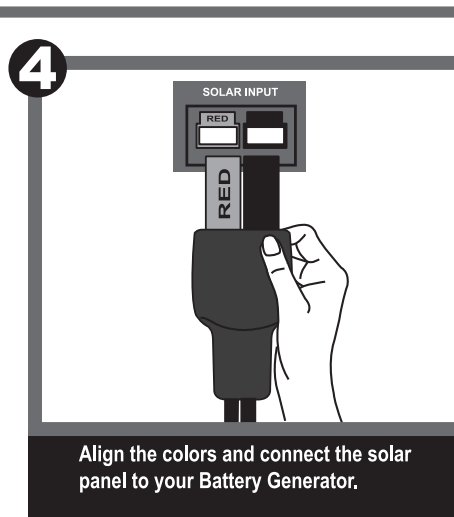
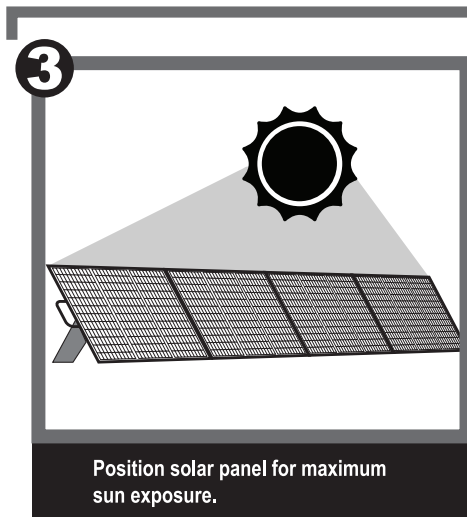
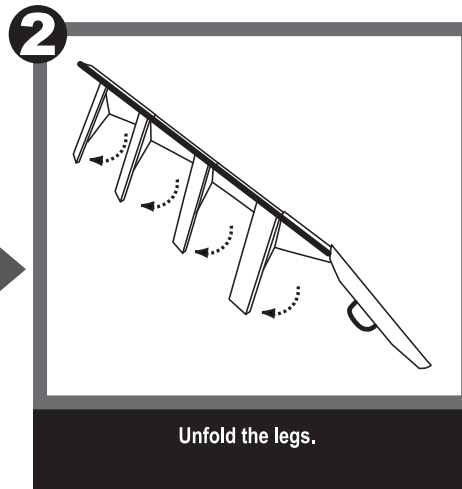
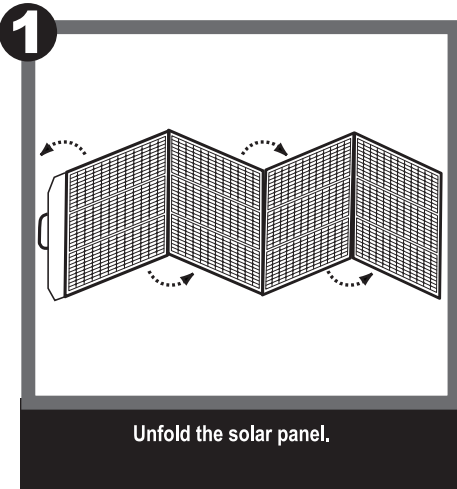
Getting Started

! BEFORE YOU START: See "Safety Information" section for important precautions. Please conform to all safety precautions in the guide when using solar panels. Before using a solar photovoltaic system (including cable, power station or other electric equipment), the user should be familiar with the mechanical and electrical requirements for photovoltaic systems. Keep this guide in a safe place for future reference.

Operation and Use - Connecting To Your Battery Generator

The Portable Solar Panel converts solar energy to DC current for charging Battery Generators that run popular household items and electronics. The solar panel connects directly to your Battery Generator for simple, plug-and-play ease of use (also connects to additional rechargeable products that use an Anderson Powerpole 15/45 connector for recharging the internal battery).

! NOTE: The steps below show the basic sequence to charge your Battery Generator. You may also keep your Portable Solar Panel connected to your Battery Generator while the generator is being used to charge and operate your household items. Solar input power will offset the discharge power (See "Optimizing Your Solar Charging" on the next page).



NEED MORE POWER?
Please see "Connecting Additional Solar Panels" on next page.

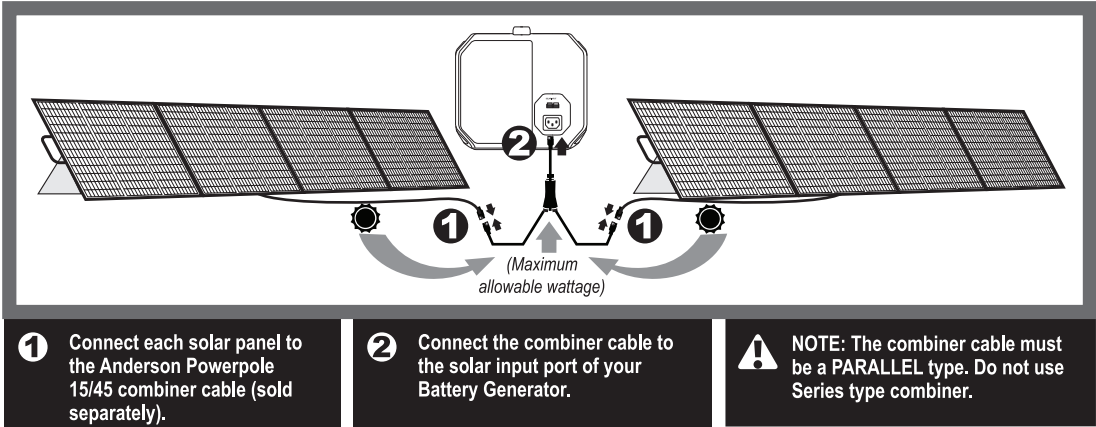
Getting Started (cont'd)

Connecting Additional Solar Panels

Two solar panels (additional panels sold separately) can be chained together using an Anderson combiner cable (sold separately) to increase the wattage (parallel connection) and charge faster.

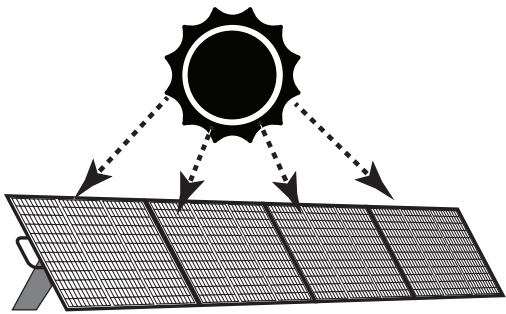
IMPORTANT: CHECK VOLTAGE/POWER RATINGS
Please check the voltage and power ratings of the solar controller to determine the most efficient connection method. Please call our Customer Service number at 888-617-5884 for support or questions.

WARNING: RISK OF INJURY
Panel interconnection cables pass direct current (DC) and are sources of voltage when the panel is under load and when it is exposed to light. Direct current can arc across gaps and may cause injury or death if improper connection or disconnection is made; or if contact is made with module leads that are frayed or torn. Do not connect or disconnect modules when a current source is energizing the conductors. Modules may contain high voltage when interconnected with other modules.



Optimizing Your Solar Charging

To obtain the fastest charge time, position your solar panel where it will receive the maximum exposure to direct sunlight. If the solar panel is placed in shade or is used in cloudy conditions, it may take significantly longer to charge your Battery Generator.



Product Specifications

	50 Watt	100 Watt	200 Watt
Solar Cells			
Solar Cell Material	Monocrystalline PERC M6-166mm		
Solar Cell Efficiency	22.8%		
Solar Cell Surface Coating	PET		
Output Power			
Max Power Output - Wattage (W)	50W	100W	200W
Max Power Output - Voltage(Vmp)	19.8V	19.4V	19.5V
Max Power Output - Current (Imp)	2.52A	5.2A	10.25A
Power Tolerance	±3%	±5%	±3%
Open Circuit Voltage (Voc)	23.4V	22.8V	23.2V
Short Circuit Current (Isc)	2.79A	5.7A	11.38
Max Series Fuse Rating	5A	10A	15A
Operating Temperatures			
Operating Temp (°C)	-20 to 50°C / -4 to 122°F		
Nominal Operating Cell Temp (NOCT)	46°± 2° C		

	50 Watt	100 Watt	200 Watt
Current Temp Coefficient	0.05% / °C		
Voltage Temp Coefficient	- 0.35% / °C		
Power Temp Coefficient	- 0.45% / °C		
Cable			
Anderson Cable Length	5M / 16.5 ft		
Cable Type	14AWG dual conductor, shielded		
Output Connector	Anderson Powerpole 15/45		
Dimensions and Weight			
Product Dimensions - Folded	38.5 x 43.5 x 6.0 cm/ 15.2 x 17.1 x 2.4 in	54 x 53.3 x 6.0 cm/ 21.3 x 21.0 x 2.4 in	54.5 x 52.5 x 6.0 cm/ 21.5 x 20.7 x 2.4 in
Product Dimensions - Open	94.0 x 43.5 x 1.0 cm/ 37 x 17.1 x 0.4 in	124 x 54.0 x 1.0 cm/ 48.8 x 21.3 x 0.4 in	245.5 x 52.5 x 1.0 cm/ 96.7 x 20.7 x 0.4 in
Product Net Weight	2.5 kg / 5.5 lb	3.5 kg / 7.7 lb	5.9 kg / 13.0 lb

Support and Warranty

Safety Information

This section contains important safety information. Before using the product, READ ALL instructions and cautionary markings on or provided with the product, and all appropriate sections of this guide. The product contains no user-serviceable parts. SAVE THESE INSTRUCTIONS.



WARNING: NO USER SERVICEABLE PARTS

There are no user-serviceable parts within the module. Do not attempt to repair any part of the module.



WARNING: RISK OF INJURY

- Permanent installation should be performed only by qualified personnel.
- There is a risk of electric shock if the front surface is broken, the backing is torn, junction box is broken or wires are frayed.
- Do not deploy or handle the panels when they are wet or during periods of high winds.
- Do not allow water to pool in or near panel frames.



WARNING: DAMAGE TO PRODUCT

- Do not stand on, drop, scratch, or allow objects to fall on panels as doing so may damage the panels and void the warranty.
- Do not place anything on the modules, even for a moment, because resulting residue may damage or stain the surface.
- Unconnected connectors must always be protected from dust, humidity or foreign particles.

Maintenance

In order to keep your Portable Solar Panel operating efficiently, periodically clean and maintain your panel using the simple steps below. Keeping the panels clean allows optimal sun exposure for efficient charging of your Battery Generator.



WARNING: DAMAGE TO SOLAR PANEL

Do not clean the panel when the surface is hot. Do not use a pressure washer to clean the panel. Failure to observe these warnings may result in damage to the panel and void your warranty.

- Clean the surface of the solar panel when necessary. Always use a soft sponge or cloth for cleaning. A mild, non-abrasive cleaning detergent may be used to remove stubborn dirt.
- Clean your solar panel more frequently during drier months, as it may become covered in dust more quickly.
- Regularly inspect and clean your panel more frequently if the panel is left outdoors in dusty, windy or dirty conditions.
- Periodically inspect additional components such as folding support legs, frames, cables, and closures for dirt, grit, oil and other contaminants; clean as needed.

Contacting Customer Support

If you experience any problems or have any questions regarding your product, free technical support is available. Call from Be prepared to provide the following information:

- Name, address and telephone number
- Name of the product
- Make and model of any items or devices that you are using with the product
- Symptoms of the problem(s) and what led to them

Technical Support is available by telephone: **888-617-5884**
or by email at Info@Battery-Biz.com

Written inquiries should be directed to:
Battery-Biz Inc.;
Coleman Product Inquiry
1380 Flynn Road, Camarillo, CA 93012, USA

Recycling Information

Battery-Biz is committed to environmental responsibility and recommends that electronic devices be disposed of properly. Please contact your local city offices for information on recycling and disposal programs for e-waste.

For instructions on how to recycle this product visit <http://www.call2recycle.org>.

Two Year Limited Warranty

This product (Product) is warranted (Limited Warranty) by Battery-Biz Inc. (Distributor) against defects in material and workmanship under normal use and service to the original purchaser (Purchaser) for a period of 2 (two) years (Warranty Period) from the original date of purchase. The Limited Warranty does not extend to any subsequent owner or other transferee of the Product. Purchaser shall retain the dated sales receipt as evidence of proof and date of purchase as it will be required for any warranty claim or service. In order to keep the Limited Warranty in effect, the Product must have been handled and used as described in the instructions accompanying this Limited Warranty. The Limited Warranty does not cover any damage due to accident, improper storage, improper installation, modifications, unauthorized repair, normal wear and tear, failure to observe product specifications or safety warnings, force majeure, misuse, abuse or negligence. This Limited Warranty shall be null and void if Product's label(s) have been defaced, altered, or removed.

Remedies Under Warranty

With respect to a defective Product during the Warranty Period, Distributor in its sole and absolute discretion, will either: (a) repair or replace such Product (or the defective part) free of charge or (b) refund the purchase price of such Product. Distributor will pay for shipping and handling fees to return the repaired or replacement product to the Purchaser during the Warranty Period.

Disclaimer Of Warranty

The Limited Warranty described herein is Purchaser's sole remedy. To the extent permitted by law, Distributor disclaims all other implied or express warranties on Product including all warranties of merchantability and/or fitness for any particular purpose.

Limitation Of Liability

Except to the extent of repairing or replacing Product as expressly stated in the Limited Warranty described herein, Distributor shall not be liable for any damages, whether direct, indirect, incidental, special, consequential, exemplary, or otherwise, including lost revenues, lost profits, loss of use of software, loss or recovery of data, rental of replacement equipment, downtime, damage to property, and third-party claims, arising out of any theory of recovery, including statutory, contract or tort. Notwithstanding the terms of any limited or implied warranty or in the event that the Limited Warranty fails in its essential purpose, in no event will Distributor's entire liability exceed the purchase price of the Product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions and as a result may not apply to Purchaser. This Limited Warranty gives Purchaser specific legal rights. Purchaser may have other rights which vary from state to state and province to province.

In order to be considered for coverage under this Limited Warranty, all warranty returns of Product to Distributor must include (1) a copy of the original receipt for the purchase of Product, (2) a letter from Purchaser referencing the Return Merchandise Authorization number issued by Distributor to Purchaser with a description of the problem, and (3) Purchaser's contact information including phone number and shipping address. Purchaser is responsible for the cost of the warranty return shipping and handling as well as any related claims that may arise.

Product Registration

For complete warranty coverage, please register your Coleman product within fourteen days of purchase.

Visit ColemanPowerStations.com/Register

or scan the QR code to register.

