



LIONENERGY™

www.lionenergy.com

100W SOLAR POWER KIT™

25' Extension Cable
400W Inverter
100W Solar Panel



POWER YOUR LIFE



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QUICK START GUIDE

LION ENERGY 100W SOLAR POWER KIT™

Thank you for choosing the Lion SPK™. It allows you to harness the power of the sun. Connecting the solar panel and charger to a battery and the inverter, you can power many types of devices that use up to 400 watts of power. What does that mean? You can power things like:



Watts
Device
Est Safari UT™ 1200
Est Lead Acid

36W
Mini Fridge
33 Hours
10 Hours



5W
Phone Charger
240 Hours
67 Hours



90W
Laptop Charger
13 Hours
4 Hours



45W
55" LCD TV
8 Hours
2 Hours



6W
Reading Lamp
200 Hours
56 Hours

YOUR SOLAR POWER KIT INCLUDES:



LION 100™
100W Folding Solar Panel



SAVANNA CCT™
Solar Charge Controller



SAVANNA IV™
400W Solar Inverter



EXTENSION CABLE
25 ft. Connector Cable





QUICK START GUIDE

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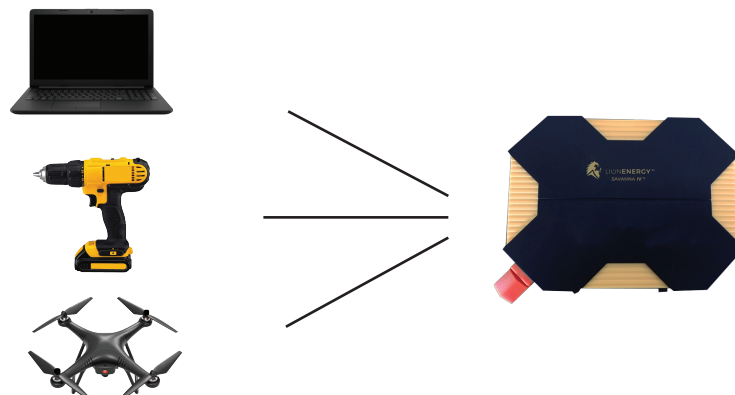
TO CONNECT



NOTE: In order to power any device, this kit must also be connected to a battery like the Lion Safari UT™ or similar battery.

1. Remove the Solar Panel, Charge Controller and Inverter from their packaging.
2. Connect the cable on the back of the Solar Panel to the Charge Controller using the small (4 inch) red and black connectors that are in the Charge Controller box. The wire ends connect to solar panel input on the bottom of the Charge Controller (red to + and black to -). The red and black square ends connect to the output cable from the solar panel (red to red, black to black).
3. Connect the Charge Controller to a battery using the longer cables that have red and black eye rings on one end and red and black wires on the other end.
 - a. Place the red (+) eye ring to the red (+) post on the battery and the black (-) eye ring to the black (-) post on the battery.
 - b. Place the wire end of the cable into the Charge Controller, red to + and black to -.
4. Connect the battery to the Inverter by using the larger cables that have a red and black clamp on one end (used to connect to the battery) and red and black eye ring connections on the other end (used to connect to the Inverter). Connect red to red and black to black.

NOTE: The extension cables can be used to place the solar panel in the sunlight and the other components in the shade.



NOTE: With the Solar Power Kit connected as described above, you are now ready to power devices. The total output from any device(s) cannot exceed 400 watts at a time.

1. USB: Plug in a USB connected device into the USB output on the Charge Controller.
2. AC: Plug in a device that needs AC power into the AC output on the Inverter and turn the AC power switch to "on."

TO USE



This warranty is invalidated if any of the following occurs, but not limited to:

1. Failure to follow the instructions in the User's Manual.
2. Accidental or unreasonable use, misuse, over charging or loading, or normal wear.
3. Extended storage without recharging or repairs done by an unauthorized person or modification.
4. Opening or modifying the battery casing

This warranty is in lieu of all other express warranties. Lion Energy will not be liable for consequential or incidental damages. Changes or modifications not expressly approved by Lion Energy could void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that of the receiver.
4. Consult the dealer or an experienced radio/TV technician for help.

SERVICE ADDRESS

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