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 CC™
Solar Charge Controller

SAVANNA IV™
400W Solar Inverter

EXTENSION CABLE
25 ft. Connector Cable
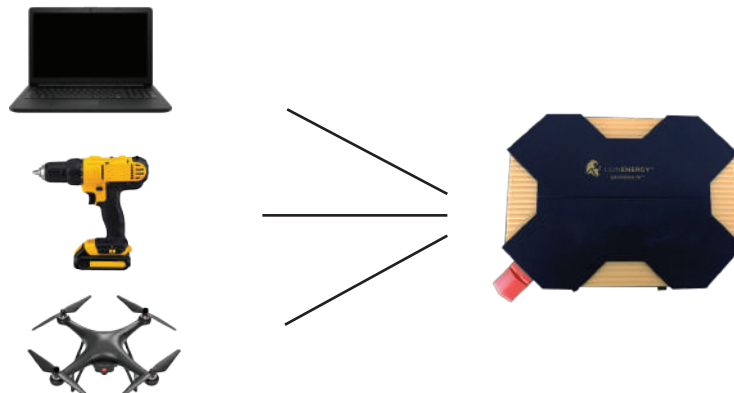
TO CONNECT

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.

TO USE

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."