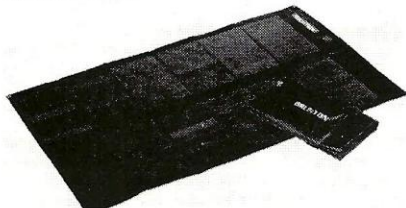


BRUNTON SOLARIS™ 62

Foldable Solar Array

CAUTION: Please read the following instructions before operating your Solaris Folding Solar Array

Solaris solar panels convert sunlight directly into 12 V electricity—ideal for recharging consumer electronics and maintaining vehicle batteries.



SPECIFICATIONS:	
Wattage:	62 W
Output:	12 V
Power:	3100mA
Weight:	3 lbs 7 oz
Open Size:	14.5 x 8.5 x 1.4 in
Closed size:	5.25 x 30 in

The overall performance of the Solaris Panel is dependent on a variety of conditions including season, orientation with direct sunlight, cloudy conditions, temperature, and shadowing. As a result, providing 'typical' performance parameters is dependent of the placement of the Solaris.

CAUTION: Some consumer products may not be allowed to be in direct sunlight. Maximum input voltage may be exceeded by a solar module. Consult the instruction manual of your product for further details.

PART LIST (see Fig. 1):

- Solaris Folding Solar Array (not shown)
- 12 V vehicle power outlet cable
- Battery clamps
- Multi-linking cable



IMPORTANT SYSTEM CARE INSTRUCTIONS:

- Although the Folding Solar Panel is flexible, ONLY FOLD the natural creases in the all-cloth portions of the panel.
- DO NOT FOLD with the solar cells facing outward.
- DO NOT FOLD or crease the solar charger on sharp edges or objects.



- DO NOT CRUMPLE OR IMPROPERLY BEND PANELS.
- DO NOT excessively flex or bend the panel as this could cause the plastic layers to crease or bubble.



- DO NOT machine wash, machine dry, or dry clean the panel.
- ALWAYS charge vehicle lead-acid batteries in a well-ventilated area.
- DO NOT attempt to charge non-rechargeable batteries.
- DO NOT reverse the polarity of the connections.
- ALWAYS ensure correct polarity of the connections before attaching.
- The Folding Solar Power Panel is designed for portable outdoor use. Fold and store when not in use.

SOLAR ARRAY APPLICATIONS/HOW TO USE

CAUTION: Ensure that you completely understand this instruction manual before using your Solaris Folding Solar Array.

1. Consumer Electronics Handheld Devices & Rechargeable Batteries

Application: Charges/runs most handheld electronic devices such as MP3 players, cellphones, digital cameras, Personal Digital Assistants; and is also compatible for running most AA/AAA Ni-Cd, Ni-M-H battery chargers and 12V accessories.

How to use: Connect the 12 V vehicle power outlet receptacle to the Folding Solar Panel. Insert the adaptor (male) included with the handheld electronic device or battery charger into the 12 V vehicle power outlet. Place the panel in direct sunlight. Consult appropriate "Product Application Chart" for charging times.

12 V Accessories

Application: Charges/runs most 12 V accessories.

How to use: Connect the 12 V vehicle power outlet cable to the Folding Solar Panel. Insert the 12 V vehicle power plug for the accessory, directly into the outlet. Consult appropriate "Product Application Chart" for charging times.

2. Vehicle Batteries

Application: Trickle charges and maintains car/RV/marine batteries.

How to use: Connect the 18" battery clamps to the Folding Solar Panel. Directly connect the 18" battery clamps (included with the Folding Solar Power Panel) to the vehicle battery. For extended charging use the SolarController™ to monitor charge level and prevent over charging.

3. Laptop Computers

Application: Additional run time for Laptop Computers.

Recommended use: Use appropriate 12V vehicle adaptor for your laptop model. Plug laptop computer vehicle adaptor into 12V vehicle power outlet (included with the Solaris 62).

Application	Run/Charge Time
Laptop	Run/Charge 1-3 hours
Portable DVD player	Run/Charge 1-2 hours
Cell phone	Run/Charge 1 hour
Digital camera	Run/Charge 1-2 hours
PDA/MP3 player	Run/Charge 1-2 hours
Satellite phone	Run/Charge 1-2 hours
Portable game console	Run/Charge 1-2 hours
Digital camcorder	Run/Charge 1-2 hours
RV/car/marine/snowmobile battery	Charge 6-8 hours

NOTE: Charge times are estimates only, and depend on several factors including device, weather and season.

TROUBLESHOOTING

- Inspect the connections between Solaris Folding Solar Panel and the device you are attempting to charge.
- Inspect all plugs, outlets, clamps, connectors and cables to ensure they are not damaged or cut.
- If the connections are all secure, use a volt meter or 12 V test light to check voltage between the positive and negative electrodes. This check should be done using the 12 V vehicle power plug.
- For vehicle and AA/AAA battery charging, check to make sure that the battery is in good condition. Over time battery performance decreases. If the battery performance is weakened, the battery may need to be replaced.
- Note: Some portable electronics such as computers require more power (current) than the solar panel creates. If problems persist you may require a larger solar panel.

FAQs

How do I know that my Solaris Folding Solar Array is working?

Check the charge indicator light or bar on the handheld electronics or accessory. For battery charging, the product can be tested with a volt meter.

Will this product drain my battery at night?

No. The Solaris Folding Solar Array has a built-in reversing diode and charge regulator that prevents the solar array from discharging your battery at night.

What happens if the solar power panel gets wet?

The Solaris Folding Solar Panel is made from water-resistant material. Wipe the product with a clean, dry cloth and allow the product to dry before folding for storage. DO NOT keep the product in or under water.

Can I leave the solar power panel outside for continual use?

Yes. The Solaris Folding Solar Panels are designed for portable outdoor use. To prolong the life of the Solaris 62 we recommend once your application is finished charging (see charge times from chart), wipe the product with a clean, dry cloth and allow the product to dry before folding for storage. The Solaris 62 is NOT regulated. For extended charging use the SolarController™ to monitor charge level and prevent over charging.

Should the solar panel be disconnected from the car battery when starting the engine?

No, the solar power panel can remain connected and will not effect operation of the vehicle or any of the vehicle's electronic components

WARRANTY

Brunton warrants this product to be free of defects in materials and workmanship for 1 year. This warranty extends to the original purchaser from the date of purchase. This warranty is void and a charge for repair will be made if the product has been damaged by negligence, accident or mishandling, or has not been operated in accordance with standard operating procedures, or if the product was altered or repaired by anyone other than a Brunton repair facility. This warranty gives you specific legal rights, and you also have rights, which vary from state to state. No other warranty, expressed or implied, applies to the Brunton product, nor is any person or company authorized to assume any other warranty for Brunton. Brunton does not assume any responsibility for any consequential damages occasioned by this product. Should the product prove defective, contact Brunton, and you will be provided with a Return Authorization Number (RA#). Send a copy of your proof of purchase, the RA#, a short description of the problem and the product to Brunton at the following address. Brunton suggests insuring the product in case of damage or loss in shipment.

Brunton

ATTN: Warranty Repair (307) 857-4700
2255 Brunton Court support@brunton.com
Riverton, WY 82501 www.brunton.com

LIMITS OF LIABILITY:

Brunton assume no responsibility for any inconvenience, loss, or injury, direct or consequential damage arising from possession or use of the goods. This warranty gives you specific legal rights which may vary from state to state. Check with your local state about your rights.

Detach and return to Brunton within 30 days of purchase.

BRUNTON Warranty Registration

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Email: _____
Date Purchased: _____

Would you like to receive a Brunton Catalog? () Yes () No

Please let us know where you purchased your Solaris 52.

Store Name: _____
City: _____ State: _____ Zip: _____
() Online site () Catalog
() Gift () Brunton () Other _____

Do you own another Brunton Product?

() Yes. Product: _____