



99027 RC Cooler Solar Panel Recharge Kit

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Periodically check all hardware for tightness.

KIT CONTENTS:
Solar Panel Kit x1

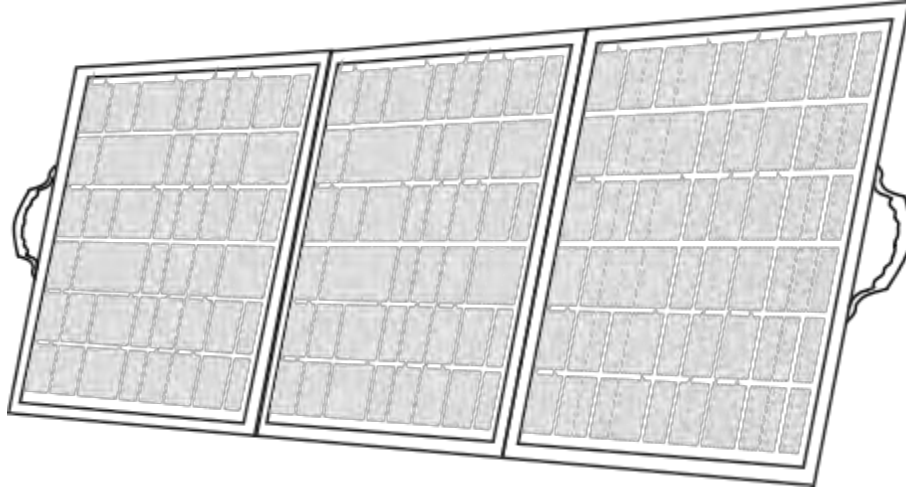


Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs



This is a fold-and-go style solar briefcase which is made for charging the most portable solar generators in the market. The efficient Solar cells belongs to physical batteries which is recyclable, different from chemistry ones which have a limited cycle life because of the lamination of battery material itself. Even after 5 years, the power of solar cells still can achieve more than 80%.



Deployment

Place your solar briefcase to an area where you can get the most possible sunlight and adjust the angel to sun.



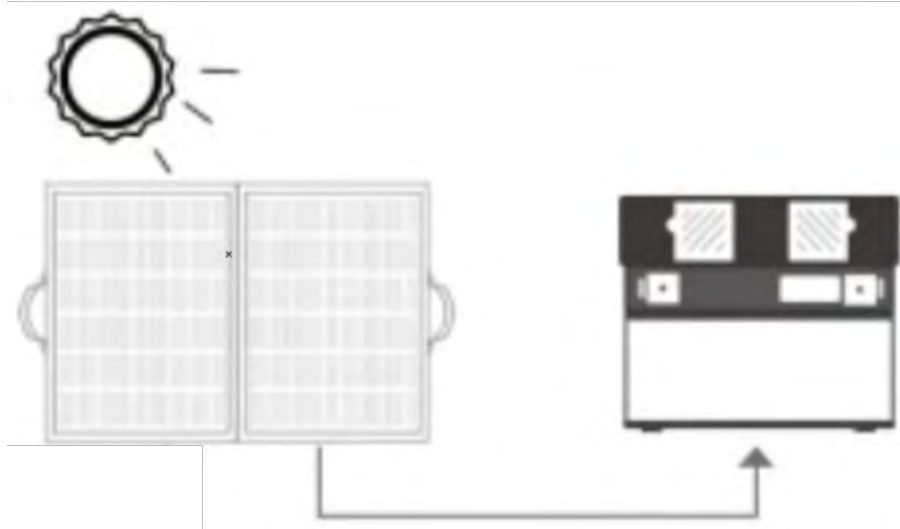
All solar panels must be exposed to direct sunlight, avoid any possible shelters like buildings and trees.

Solar panels angled at 30-60 degrees from a flat surface will harvest the solar energy that is most possible.

It is critical that the panels are flat not deployed on uneven ground. If deployed on an uneven surface the panel can become twisted or distorted and could affect function.

Optimum hours for deployment vary by region and it is important to deploy at the optimum time for maximum efficiency when the sun is highest in the sky.

Proper Charging Procedures



- Before the charging and if at possible , please turn off the device to decrease the energy consumption thus it can shorten the charging time.
- Since solar panels generate electricity under sunlight, it is important to first position the device, plug the solar charger chord into the device and then deploy the solar panels to avoid damage to the unit.
- After following these steps, the device will begin to charge. If charging does not begin, please check the connection again and check for any damage to the charger chord. If no damage and connection is good reposition the solar charger panel.
- If there shows up a charging sign, you can position your device to a cool place for better heat dissipation and turn off your device if not in use to save the loss of energy during charging.

Attention

Do not attempt to make an electrical connection with wet, soiled, or otherwise faulty connectors.

To better preserve its service life, please avoid sunlight exposure and water immersion of the connectors, and avoid connectors resting on the ground or roof surface as excess heat will damage the wiring.

Faulty connections can result in electrical shock. Please check that all electrical connections with every use.

Warranty Information

Please do not try to modify the PCB charger circuit. Modification will result in voided warranty.

As with any battery. Battery life will diminish over time and greatly depends on the effort during use to ensure optimum life. When the unit is not in use, remove the charger and turn the unit off. Do not allow to run for extended amount of time when not in use.

The solar panel charger is also equipped with circuitry that will not allow power to flow to the solar panel to ensure optimum efficiency and safety.



Care and Use

This solar charger is intended for intermittent charging purpose, we do not suggest extended outdoor exposure or permanent mounting as it will shorten the lifespan of this product and will void the warranty.

Not bendable, please handle the solar panel with care. Care should be taken when deploying and removing to avoid hitting with sharp objects or crushing the unit. Doing so will void the warranty.

It is normal that solar panels get hotter during working hours. Allow the panels to cool before stowing. Failure to do so could result in distortion and is not covered under warranty.

Dirt and dust can accumulate on the surface during use, it is important that the surface is cleaned every time before deployment to ensure optimum, efficiency. It is recommended to cleaning with a mild, non-abrasive cleaning agent. DO NOT use an abrasive cloth or cleaner. Use of these products will diminish efficiency of the unit and is not covered under warranty.

DO NOT deploy solar charger on the interior of a vehicle and temperatures can become excessive and will cause damage to the unit.

Generally this product is deployed in an outdoor area at an optimum angle to the sun and is allowed some air flow around the unit to keep unit to achieve maximum efficiency.



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