

companion 

TRUSTED SINCE 1941

ROVER™ BATTERY BOX



OWNERS MANUAL

Model No. 10001921

IMPORTANT SAFETY INSTRUCTIONS

- The battery box should not be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been instructed on how to use the product by a person responsible for their safety.
- Only compatible with 12V rechargeable deep cycle batteries, including Lithium, AGM, Lead-Acid, Gel, and Calcium types.
- Never attempt to recharge non-rechargeable batteries.
- The lid of the battery box must remain shut at all times whilst charging a battery or powering a device from an outlet.
- Do not allow any metal objects to fall into the battery box or enter any of the ports.
- Never insert anything other than a compatible electrical plug into any of the ports on the battery box.
- Ensure that the battery box is shut and the screws are tight before powering any devices.
- Do not try to jumpstart a vehicle with this battery box if using a lithium battery.
- Do not use the product near a heat source, such as a fire source or a heating furnace.
- Use under supervision and in well ventilated spaces.
- When using the product, strictly follow the operating environment temperature specified in this user manual. If the temperature is too high, the Rover Battery Box may overheat and result in a fire. If the temperature is too low, the product performance may be severely reduced, or the product may cease to work.
- If this product accidentally catches fire, use the fire extinguishers in the following order: Water or water mist, sand, fire blanket, dry powder, and carbon dioxide fire extinguishers.
- Do not allow this product to come into contact with any liquid. Keep out of rain and avoid operating in areas of high humidity. If water does enter the product it must not be used or turned on again. Place it in a cool dry area until fully dry. If the battery box fails to operate contact Customer Service on 1300 362 921.
- Use a dry cloth to clean off dirt on the product ports.
- Do not use this product in an environment with strong static electricity or strong magnetic field.
- Store the Rover Battery Box in a dry, well ventilated space and avoid stacking heavy objects on top of the Rover Battery Box.
- Keep this product out of reach of children and pets.
- Do not disassemble or puncture the product in any way.
- Do not touch the product port with wires or other metal objects to avoid short circuit or other risks.
- When using or transporting this product, avoid shocks, drops and violent vibrations. In case of severe external shock, stop using this product immediately and turn off the power.
- Do not use unofficial components as this will void the warranty. Contact Customer Service to replace any component or accessory.
- This product is not recommended for powering medical emergency equipment related to personal safety, including but not limited to medical grade ventilators (hospital version CPAP: Continuous Positive Airway Pressure, artificial lungs (ECMO: Extracorporeal Membrane Usage Oxygenation.) It can work normally with a home ventilator (home version CPAP), and does not have to be continuously monitored by a professional. Follow your doctor's instructions and consult with the manufacturer for restrictions on the use of the equipment. If it is used for general medical equipment, monitor the power status to ensure that the power does not run out.

- When in use, power supply products will inevitably generate electromagnetic fields, which are likely to affect the normal operation of medical implants or personal medical equipment such as pacemakers, cochlear implants, hearing aids, defibrillators, etc. If these types of medical equipment are being used, contact the manufacturer to inquire about any restrictions on the use of such equipment. These measures are fundamental to ensure a safe distance between the medical implants (for example, pacemakers, cochlear implants, hearing aids, defibrillators, etc.) and this product while in use.
- For long-term storage, discharge the product every three months (firstly discharge it to 0%, then recharge it to 70%). The product will not be covered by the warranty if it is not charged or discharged for more than 3 months.

PRODUCT OVERVIEW



UNDERSTANDING THE PRODUCT

MASTER SWITCH

The master switch disconnects all inputs and outputs. Turning it off is a quick way to disconnect all devices to ensure the battery is not being drained.

NOTE: A solar regulator can charge the internal battery while the Master Switch is in the OFF position.

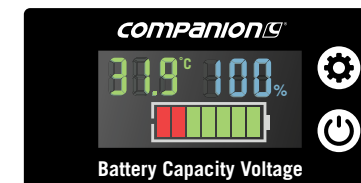
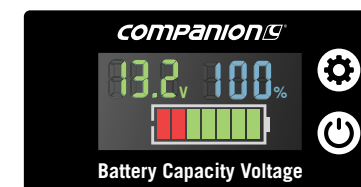


LCD SCREEN

The LCD screen is used to monitor the state and condition of the battery. The display features the following:

- Battery type
- Battery capacity
- Battery voltage
- Low battery alarm
- Battery temperature

(Refer to LCD Screen Modes from page 9 to 11)



CONNECTIONS

Outputs

- **2 X CIGARETTE SOCKET OUTPUTS**
Maximum 15A output per socket
- **2 X DUAL USB / QC3.0 OUTPUTS**
2 x USB-C DC18W
2 x USB-A QC3.0 DC18W



2 X CIGARETTE SOCKET OUTPUTS



2 X DUAL USB / QC3.0 OUTPUTS

BENEFITS OF QUICK CHARGE



When paired with compatible devices, a Quick Charge-enabled charger delivers more power, allowing the connected device to charge faster. As one of the most widely used of the fast charging technologies, Quick Charge is already in many smartphones. If a smartphone is Quick Charge 3.0-compatible, it can be charged up to 80% in just 35 minutes.

Inputs / Outputs

► 1 X 175A ANDERSON STYLE PLUG

High current inverter output
Connected directly to battery

⚠ WARNING:

1. Master switch will disconnect the battery from this connector.
2. This output is NOT fused or short circuit protected.
3. Check battery specifications and compatibility with high current draw before using a jump start connector.
4. Lithium batteries should not be used for jump starting.

1 X 175A ANDERSON STYLE PLUG



Anderson Style Plugs

► 4 X ANDERSON PLUGS

Input / Output capable

4 x Anderson plugs are connected in a bank of 2 x Anderson plugs with a maximum input/output of 50A for each bank.

INVERTER OUTPUT 175A
ANDERSON PLUG

4 X 50A ANDERSON PLUG
POWER OUTPUT / INPUT



⚠ WARNING:

1. Do not plug in multiple chargers as inputs.
2. Exceeding 50A current rating will trigger the safety breaker. Safety breaker will auto-reset in time.

NOTE: The 4 Anderson plugs indicated cannot exceed a total of 50 Amps per bank of 2 x Anderson plugs.

GETTING STARTED

Step 1. Remove the battery box lid by unscrewing the four screws. The non-slip pads are pre-installed.



Step 2. Carefully lower the battery into the box. Ensure it is positioned as centrally as possible.



Step 3. Secure the battery in place by tightening the strap over the battery.



Step 4. Install the battery cables onto the terminal posts of the battery. Ensure the red cable is connected to the positive (+) terminal, the black cable connected to the negative (-) terminal. Tighten firmly, do not over tighten the battery terminals.



Step 5. Tuck the cables under the battery box lid. Carefully lower the lid onto the box in the correct orientation.



Step 6. Install the four (4) provided screws to fasten the lid to the base with the allen key. Do not over tighten the screws.



LCD SCREEN

NOTE: Settings for a lithium battery and low voltage alarm settings have been pre-set. If using other battery types, follow the instructions for the applicable battery type

Accessing Modes

1. Hold the **SET** button  for 2 seconds to enter the Mode setting page.
2. Press the **SET** button to move to the next mode setting.
3. Press and hold **SET** button for 2 seconds again to go back to the main screen.

Mode Descriptions

- Mode 1: 1-P for Lead-acid battery
- Mode 2: 2-L for Ternary lithium battery
- Mode 3: 3-F for Lithium battery
- Mode 4: 00.00 000 for Customized Empty and Full voltage
- Mode 5: 5-B for Backlight setting
- Mode 6: 00.0V Lo for Low voltage alarm setting
- Mode 7: 7-A for Alarm sound setting

Mode Settings

► LEAD ACID BATTERY (MODE 1)

1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. The voltage value flashes. Press the **POWER** button to select the required voltage 12/36/48/60/72/84V
4. Press the **SET** button to confirm voltage
5. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



► TERNARY LITHIUM BATTERY (MODE 2)

1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. The battery series value flashes. Press the **POWER** button to select the series of battery
4. Press the **SET** button to confirm
5. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen

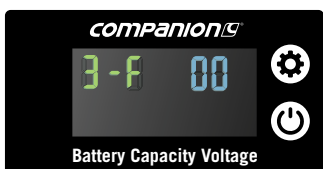


► LITHIUM BATTERY (MODE 3)

The battery box is pre-set to Lithium batteries. Pre-set settings:

- **FULL:** 100% 13.5V
- **EMPTY:** 0% 10.5V
- **LOW VOLTAGE ALARM:** 11.5V

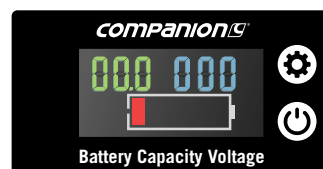
1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. The battery series value flashes. Press the **POWER** button to select the series of battery
4. Press the **SET** button to confirm
5. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



► CUSTOMISED FULL & EMPTY VOLTAGE SETTING (MODE 4)

- **LEFT FIGURE 00.0 = Empty Voltage**
- **RIGHT FIGURE 000 = Full Voltage**

1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. Press the **POWER** button to set the digit value
4. Press and hold the **POWER** button for 2 seconds to shift the cursor
5. Once Empty Voltage and Full Voltage are set, press **SET** button to confirm. The voltage value will be constantly on
6. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



NOTE: 000 on the right should be 00.0. For example, the actual display of 255 is 25.5.

► BACK LIGHT SETTING (MODE 5)

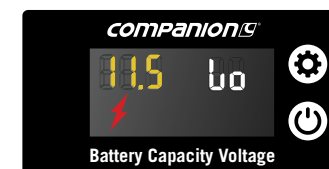
1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. On the backlight setting page, **ON/OFF** flashes
4. Press and hold the **POWER** button to select **ON/OFF**
 - a. **ON** – the backlight will automatically power off after 10 seconds
 - b. **OFF** – the backlight is constantly on
5. Press the **SET** button to confirm
6. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



► LOW VOLTAGE ALARM SETTING (MODE 6)

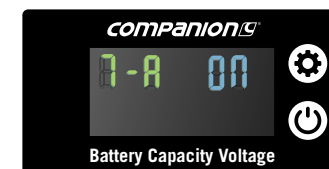
The battery box is pre-set to automatically alarm at 11.5V.

1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. Press the **POWER** button to set the digit value
4. Press and hold the **POWER** button for 2 seconds to shift the cursor
5. After the alarm is set, press and hold the **SET** button to confirm
6. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



► ALARM SOUND SETTING (MODE 7)

1. Hold the **SET** button for 2 seconds to enter the Mode setting page
2. Press the **SET** button to move to the required mode setting
3. Press the **POWER** button to select **ON/OFF**
4. Press and hold the **POWER** button to select **ON/OFF**
 - a. **ON** – turns on the alarm sound
 - b. **OFF** – turns off the alarm sound
5. Press the **SET** button to confirm
6. Press **SET** to move to the next mode settings or press and hold **SET** for 2 seconds to go back to the main screen



CHARGING A BATTERY

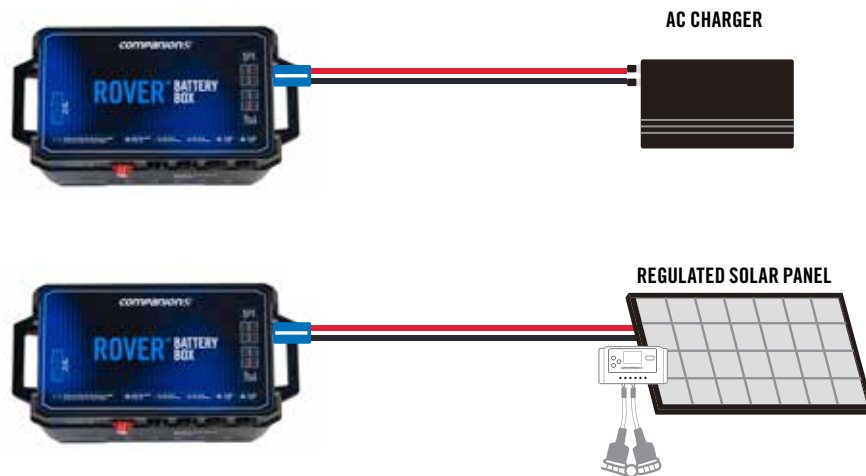
A battery in the battery box can be charged by connecting:

- An AC charger to any of the input/output Anderson style connectors.
- A solar panel with regulator/controller to any of the input/output Anderson style connectors.

WARNING:

1. Do not connect multiple chargers to the battery at any one time.
2. Do not connect an unregulated solar panel directly to the battery via any of the in/out connectors.

TYPICAL DIAGRAMS



SOLAR CHARGING

- Minimum solar input voltage: 9V DC
- Maximum solar input voltage: 32V DC
- Maximum solar input current: 25A

WARNING:

1. Do not exceed the maximum voltage of 32V DC.
2. Do not exceed the maximum input current of 25A.

NOTE: Not suitable for regulated solar input. Connect to a standard in/out connector when using an external or panel-mounted solar controller/regulator.

FAQS

Q: What types of batteries can I use with this battery box?

A: It's compatible with all 12V rechargeable deep cycle batteries, including Lithium, AGM, Lead-Acid, Gel, and Calcium types.

Q: Can I charge the battery while powering my devices?

A: Yes, you can charge the battery and run devices at the same time.

Q: Should the Master Switch always be on?

A: Yes. The Master Switch must remain on whenever the battery is charging or powering a device.

Q: How do I charge the battery while it's inside the box?

A: You can charge it using any suitable battery charger or regulated solar panels connected via the Anderson-style plug outlets.

Q: Do I need a regulator when using solar panels to charge the battery?

A: Yes, a regulator is required when charging from solar panels to protect the battery.

Q: Why have my connected devices stopped receiving power?

A: The circuit breaker may have tripped due to a device drawing too much current. Disconnect all devices and wait for it to reset. If power doesn't return, check and replace any blown fuses.

Q: How should I store the Rover Battery Box for long periods?

A: Lithium batteries can be stored at any charge level due to their low discharge rate. For long-term storage, charge the battery to at least 70%, switch off the Master Switch, and store in a cool, dry place.

NOTE: The battery won't enter storage mode if it's being charged or if devices are still connected.

Q: Is the Rover Battery Box waterproof?

A: It's built to resist dust and moisture but isn't fully waterproof. Avoid exposing it to rain or submerging it in water.

Q: Can I use the Rover Battery Box to jump start a vehicle?

A: Jump starting is not recommended with the Rover Battery Box.

SPECIFICATIONS

Part No.	10001921
Dimensions (External)	478L x 233W x 315H mm
Dimensions (Internal)	364L x 185W x 239H mm
Max Battery Dimensions	340L x 185W x 235H mm (with Silicone Mat)
Max Battery Weight	35kg
Battery Compatibility	Lithium Lead-Acid AGM Gel Calcium
Outputs	2 x USB-A QC3.0 DC18W 2 x USB-C DC18W 2 x 12V cig socket (15A)
Inputs / Outputs	4 x 50A Anderson Connection 1 x 175A Anderson Connection
Protection	2 x 50A auto-set circuit breaker
Operating Temperature	-20°C to 60°C
Weight	3.8kg
Material	ABS

WARRANTY POLICY

LIMITED WARRANTY AGAINST DEFECTS

1. This Limited Warranty is provided by Adventure Operations Australia Pty Ltd ABN [43 622 679 887] trading as Companion in our capacity as supplier and manufacturer of the Products. Our contact details are:

Address: 71 Charles Ulm Place, Eagle Farm, 4009 QLD.

Phone number: 07 3193 1110

Email address: warranty@adventureoperations.com

OUR LIMITED WARRANTY

2. This Limited Warranty applies in addition to any other express warranty or warranties against defects we may supply from time to time for specific Products. If the individual packaging, accompanying product information or labelling of a Product specifies a different warranty period from the **12 month** warranty period provided in this Limited Warranty, the packaging Warranty Period will apply instead but on the same terms as this Limited Warranty.

THE WARRANTY PERIOD FOR THIS PRODUCT IS: 3 YEARS

3. Moving forward, in this Limited Warranty, Warranty Period means:

- a) for all Companion Products, 12 months from the date of original purchase of the relevant Companion Product; or
- b) another time period set out in the individual packaging, product information, labelling, or accompanying a specific Companion Product.

4. Under this Limited Warranty, we warrant that products distributed by Adventure Operations Australia Pty Ltd and any of our subsidiaries (Products) will be free from defects in materials and workmanship under normal use (as described in the published product documentation accompanying or applicable to the relevant product) for the relevant Warranty Period (Limited Warranty).

5. If a defect in materials or workmanship becomes apparent under this Limited Warranty within the Warranty Period described above, subject to any additional rights you have under the Australian Consumer Law or any applicable local law, we agree to replace or refund covered Product parts that prove defective through normal use during the Warranty Period. We may alternatively agree to repair certain Products through our qualified agents, where such facilities are available. Without limiting any rights you have under the Consumer Law, the following conditions also apply to the Limited Warranty:

- a) in replacing a defective product under the Limited Warranty, we may, at our discretion, substitute the product with a product model of equivalent nature where the exact model of the defective product is unavailable;
- b) we may elect, at our discretion and as an alternative to repairing or replacing a defective part, to refund the cost of the relevant product upon it being returned to us or one of our authorised resellers;
- c) this Limited Warranty does not extend or apply to any claim you or any other person may have for damage for any loss (including without limitation consequential damages or loss of profit, freight/shipping or travel costs), or otherwise damage howsoever caused whether or not such loss or damage arises as a result of any defect in the product or from the failure or omission on our part to comply with any obligation at law relating to the defect;

d) this Limited Warranty does not apply to damage caused by your failure and damage caused by improper use and abuse, fair wear and tear, accidents, misuse (including failure to follow instructions regarding care and maintenance of the product), neglect, disassembly, alterations or external causes such as, but not limited to, water damage, exposure to sharp objects, exposure to excessive force, anomalies in the electrical current supplied to the product (if applicable), and extreme thermal or environmental conditions; and

e) this Limited Warranty does not extend to any Products acquired for the purposes of re-supply, or for use in a manufacturing, or repair processes.

REPAIR FACILITIES AND SPARE PARTS

6. Please note that we have very limited repair facilities for our Products. This means that subject to any limited repair facilities offered through authorised repair agents, we are not able to repair broken or damaged Products that are broken or damaged by you or are defective. For defective Products, this Limited Warranty and your rights under the Australian Consumer Law will apply and in most cases the remedy will be limited to a refund or replacement.

7. Companion carries spare parts for many, but not all, of our Products. A comprehensive catalogue of our spare parts can be found at: Camping Gear Spare Parts. This means that where a Product is broken or damaged by you, we may not be able to provide you with a spare part for that Product. Where a Product is defective, you will be entitled to your rights under this Limited Warranty and the Australian Consumer Law, and in most cases the remedy will be limited to a refund or replacement.

HOW TO CLAIM THE LIMITED WARRANTY

8. This Limited Warranty is only valid and enforceable in Australia or New Zealand and will apply only if you have purchased the Product from us directly or from one of our authorised resellers.

9. This Limited Warranty may be claimed by you if a defect becomes apparent in the Product within the Warranty Period.

10. To claim this Limited Warranty you must do either of the following:

a) return the defective product to its place of purchase within the Product's Warranty Period, with a detailed proof-of-purchase clearly showing the date and detail of the purchase;

b) make the warranty claim directly with us by returning the defective Product to our address at Adventure Operations, 71 Charles Ulm Place, Eagle Farm, 4009 QLD accompanied by a detailed proof-of-purchase clearly showing the date and detail of the purchase;

c) make the warranty claim directly with us by emailing us at warranty@adventureoperations.com accompanied by a detailed proof-of-purchase clearly showing the date and detail of the purchase. We may require you to mail us the product or email us photographs of the defect and Product.

11. Where you return the defective Product in-store to the place of purchase, our authorised reseller will inspect the Product and proof-of-purchase to determine if this Limited Warranty has been complied with and can be claimed. They will also determine the remedy available to you under this Limited Warranty.

12. Where you make the warranty claim directly with us, we will inspect the Product (including by inspecting photographs you send to us over email) and the proof-of-purchase to determine if this Limited Warranty has been complied with and can be claimed. We will also determine the remedy available to you under this Limited Warranty.

EXPENSES

13. You must bear the expense of claiming a remedy under this Limited Warranty, including postage and transport costs of returning the product. If we or our authorised reseller determine you are entitled to a remedy under this Limited Warranty, we will reimburse you for any reasonable expenses you have incurred in making the claim, provided you supply us with proof of such expenses.

YOUR RIGHTS UNDER THE CONSUMER LAW

14. Products distributed by Adventure Operations Australia Pty Ltd and any of our subsidiaries come with guarantees that cannot be excluded under the Australian Consumer Law or the New Zealand Consumer Guarantees Act 1993 (Consumer Law) (as the case may be). You are entitled to a replacement or refund for a major failure (or, where the New Zealand Consumer Guarantees Act 1993 applies, a failure of a 'substantial character') and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if products fail to be of acceptable quality and the failure does not amount to a major failure (or a failure of a substantial character, as the case may be).

CONTACT US

15. If you have any questions concerning this warranty policy, you may contact us in writing:

Adventure Operations, 71 Charles Ulm Place, Eagle Farm, 4009 QLD

or by email: warranty@adventureoperations.com

or visit our website: adventureoperations.com

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NOTE:

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WARRANTY - For details see www.companionoutdoor.com/warranty

Companion® is a registered trademark of
Adventure Trading Australia Pty Ltd

Designed by:
Adventure Trading Australia Pty Ltd
71 Charles Ulm Place,
Eagle Farm, QLD 4009
AUSTRALIA



Made in China