

COMPANION[®]

TRUSTED SINCE 1941

ROVER[™] X6

PORTABLE POWER STATION



OWNERS MANUAL

Model No. 10050934

CONTENTS

Specifications	3
Safety Instructions	4
What's In The Box	5
Product Details	6
Overview	6
LCD Screen	7
Power ON/OFF	7
Charging Devices.....	8
DC Output	8
AC Output	9
Surge Peak	9
Power Boost	9
AC/DC Lock Mode	9
Inductive Load Device	9
Charging Rover	10
AC Charging	10
Solar Charging	11
DC Charging	12
Additional Features	13
EPS	13
Maintenance & Care	14
FAQs	14
Troubleshooting	15
Warranty	17

SPECIFICATIONS

ROVER™ X6 SPECIFICATIONS

GENERAL INFORMATION

Model	10050934
Weight	6.2kg
Dimensions	250L x 195W x 180Hmm
LED Light	5W LED light - low, high, orange, SOS, strobe

BATTERY SPECIFICATIONS

Battery Capacity	512Wh 20Ah @ 25.6V / Equivalent to 40Ah @ 12.8V
Battery Type	LifePo4
Cycle Life	2000 cycles (80% capacity afterwards)

INPUT SPECIFICATIONS/CHARGING TIME

(ALL CHARGING METHODS AT THE SAME TIME, THE MAX. INPUT POWER IS 450W)

AC Input	240V, 50Hz, 400W Max, Charging time: 1.5hrs
Solar Charging Input	MPPT, 10-28V, 8A 150W Max, Charging time: 3.7hrs
DC Charging Input	13V/8A=104W (Charging time: 6hrs) 24V/6.25A=150W (Charging time: 3.7hrs)

OUTPUT SPECIFICATIONS

AC Output (x 2)	Pure Sine Wave, 600W in total, 900W Power Boost, 1140W Surge Peak, 240V, 50Hz
Cigarette Lighter Output	13.5V, 10A (135W)
Anderson Output	13.5V, 30A (405W Max)
USB-A Output (x2)	2 x 5V 3A, 9V 2A, 12V 1.5A (18W)
USB-C Output (x2)	1 x 5V 3A, 9V 2A, 12V 1.5A (18W Max) 1 x 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 5A (100W Max)

OPERATING TEMPERATURES (RECOMMENDED AMBIENT TEMPERATURES)

Ideal Operating Temperature	-10°C to 40°C
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SAFETY INSTRUCTIONS

USAGE

- This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge.
- Children must be supervised at all times when around this unit.
- 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.
- After prolonged high power use, your Rover can run at relatively high temperatures. It is recommended to allow the Rover to cool for up to 30 mins prior to charging. The Rover has built in temperature cut off and may not charge if the internal temperature is too high.
- When using the product, strictly follow the operating environment temperature specified in this user manual. If the temperature is too high, the Rover 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. 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 in a dry, well ventilated space and avoid stacking heavy objects on top of the Rover.
- Do not place the battery under extremely low air pressure, otherwise events like explosion or leakage of flammable liquid or gas may occur.
- Keep this product out of reach of children and pets.
- Do not disassemble or puncture the product in any way with sharp objects.
- Do not block the fan during use.
- 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 or accessories 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.
- When the power supply is connected in the normal mode to a refrigerator, the power supply may be automatically shut down due to the power fluctuation properties of the refrigerator. If the refrigerator stores medicines, vaccines or other high-value items, it is highly recommended that the AC/DC output is set to "Never Turn Off" through the "Lock Mode" when connecting the power supply to ensure continuous power supply. Users should pay attention to the power consumption of the power supply.
- For long-term storage, discharge the product every three months (firstly discharge it to 0%, then recharge it to 60%). The product will not be covered by the warranty if it is not charged or discharged for more than 6 months.

DISPOSAL GUIDE

- Completely discharge the battery before placing the product in the designated battery recycling bin. Batteries have hazardous chemicals and should be disposed of according to local laws and regulations on battery recycling and disposal.
- If the battery cannot be completely discharged due to the failure of the product itself, do not dispose of the battery directly in the battery recycling bin, and contact a professional battery recycling company for disposal.
- If the battery will not start after over discharging, dispose of the battery.

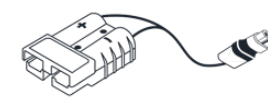
WHAT'S IN THE BOX



240V AC WALL CHARGER



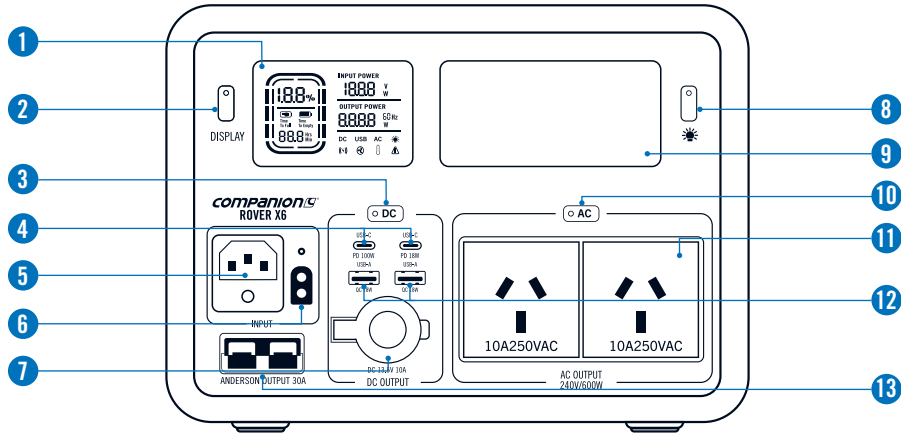
12V DC CAR CHARGER



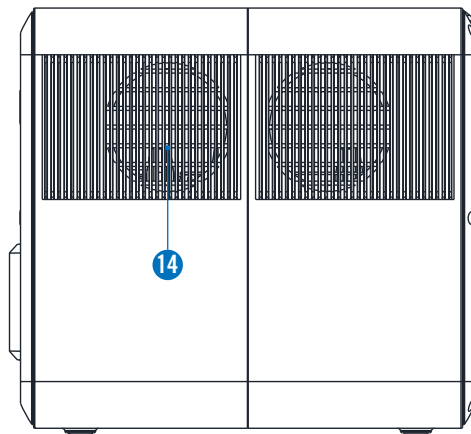
ANDERSON TO XT60 SOLAR CHARGER
(150W MAX)

PRODUCT DETAILS

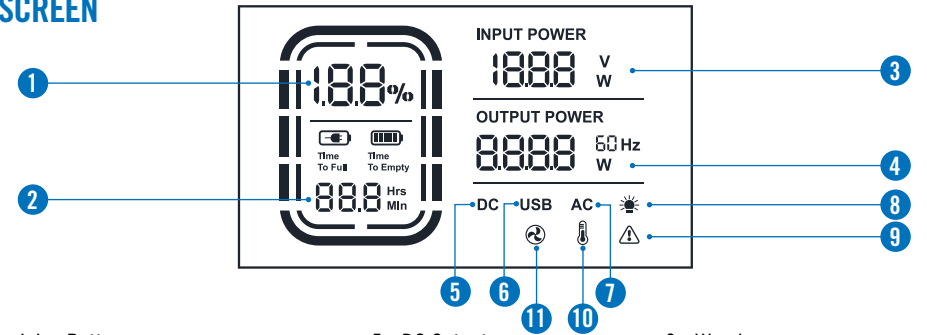
OVERVIEW



- | | | |
|-----------------------|-------------------------------------|---------------------------------|
| 1. LCD Screen | 6. DC/Solar/Car charging Input Port | 11. AC Output Port |
| 2. LCD Display Switch | 7. Cig Lighter Output Port | 12. USB-A Output Port |
| 3. DC Output Switch | 8. LED Light Switch | 13. Anderson Output Port |
| 4. USB-C Output Port | 9. LED Light | 14. Cooling Fans (Do not block) |
| 5. AC Input Port | 10. AC Output Switch | |



LCD SCREEN

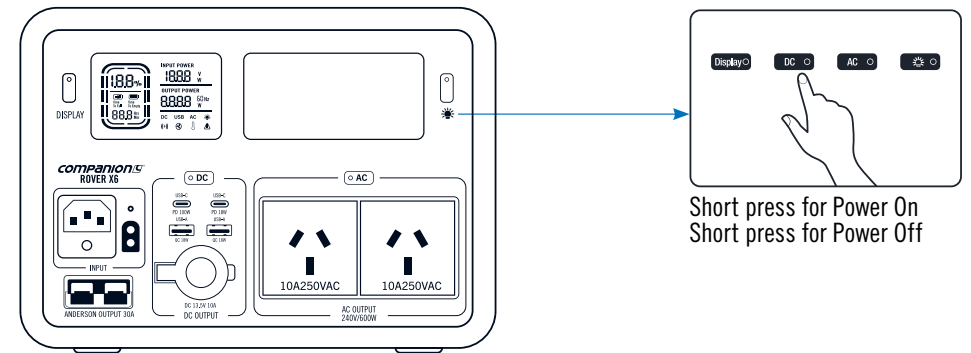


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|------------------------------------|---------------|------------------------------|
| 1. Remaining Battery | 5. DC Output | 9. Warning |
| 2. Remaining Charge/Discharge Time | 6. USB Output | 10. High Temperature Warning |
| 3. Input Power | 7. AC Output | 11. Fan Indicator |
| 4. Output Power | 8. LED Light | |

POWER ON / OFF

POWER ON / OFF

- Power On:** Short press the “LCD display switch” to turn on the Rover power station. You can also short press the DC output switch, AC output switch or LED light switch to turn it on.
- Power Off:** Long press the “LCD display switch” for 5 seconds to turn off all output functions and shut down the unit.
- LCD Screen:** Short press the “LCD display switch”, the LCD screen will switch on, short press the “LCD display switch” again, the LCD screen will switch off.



⚠ ATTENTION

When the Rover is charging, it cannot be turned off by long press. It can be turned off after the charging cable is pulled out.

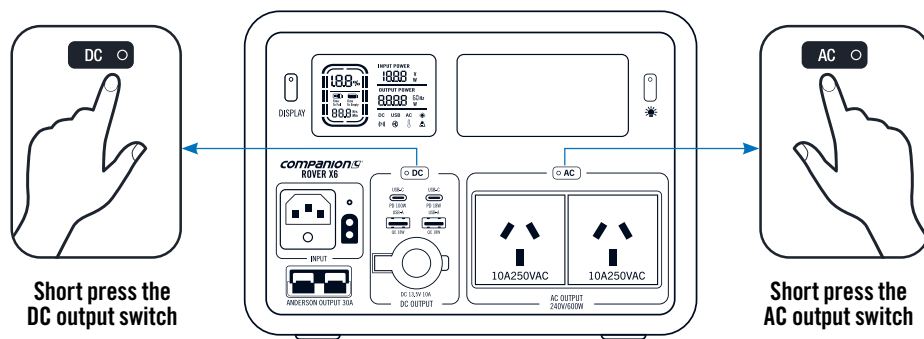
LED LIGHT

1. Short press “LED light switch” once: 50% cool white light.
2. Press “LED light switch” again: 100% cool white light.
3. Press “LED light switch” again: amber light.
4. Press “LED light switch” again: Off.
5. Long press “LED light switch” for about 3 seconds: SOS mode.
6. Press “LED light switch” again: Strobe mode.
7. Press “LED light switch” again: Off.

Note: Do not look directly at the LED light to avoid eye damage.

CHARGING DEVICES

Short press the “DC output switch” or “AC output switch” to use the corresponding DC or AC output port; short press the switch again to turn off the DC or AC output.



⚠ ATTENTION

1. When using the AC output socket, make sure that the total power of all loaded devices is less than the rated power (600W).
2. After high-power discharge, due to the relatively high internal temperature of the product, even if all outputs are turned off, the cooling fan will keep running to cool the product for up to 10 minutes.

DC OUTPUT

1. Short press the “DC” button, the indicator light of the button will light up, and the screen will display the words “DC USB”. DC/USB/Car charger/Anderson and other interfaces can be used.
2. There are four USB output ports and maximum power is 154W.
3. The rated output voltage of the 12V cig socket is 13.5V. The rated current is 10A, the total rated power is 135W.
4. The rated output voltage of the Anderson port is 13.5V. The rated current is 30A, the total rated power is 405W.

AC OUTPUT

The rated power of the Rover X6 is 600W and the peak power is 1200W. Confirm the power of the device before use, and ensure that the total power of all loaded devices is less than the rated power.

SURGE PEAK (AC INVERTER)

Surge Peak means that the inverter in the power station can handle a surge peak of wattage for a few seconds when the inverter starts. This is helpful for devices that require a higher initial power burst.

Rover X3: 1140W

POWER BOOST (AC INVERTER)

Power Boost allows the inverter to boost the rated output of the inverter (ie. Rover X6: 600W to 900W).

This enables certain appliances to run through the power station. Always check the rating label on the appliance to identify the wattage required to run the appliance. Power Boost operates by lowering the wattage of the appliance which means the appliance will operate slower and effectively be less efficient.

Note: When using Power Boost only use one of the AC outlets. During Power Boost the power station cannot be charged and the UPS function will not work.

AC / DC LOCK MODE

1. **AC output lock function:** Long press the “AC output switch” for 2 seconds to turn on the AC output “lock mode”, the AC will flash on the screen and the AC output will always be on.
 - When charging some electrical appliances that work intermittently, such as an AC refrigerator that requires a small current in a non-cooling state, or a smartphone that requires a small current when it is about to be fully charged, the charging current required may be lower. The needed charge current of these devices is lower than the detection value of the discharge current of this product, so the AC output cannot supply power to them. At this time, turn on the “lock mode” of the AC output to supply power normally.
 - If AC output “lock mode” is not turned on, when the product detects that the AC output power is lower than 20W, the AC output will automatically turn off after 4 hours.
2. **DC output lock function:** Long press the “DC output switch” for 2 seconds to turn on the DC output “lock mode”, the DC and USB will flash on screen and the DC output will always be on.
 - When charging some small devices, such as wireless headsets, smart watches, etc., the charging current may be lower than the detection value of the discharge current of this product, and the DC output cannot supply power to them. At this time, turn on the DC output “lock mode” to supply power normally.
 - If DC output “lock mode” is not turned on, when the product detects that the DC output power is lower than 2W, the DC output will automatically turn off after 2 hours, and the LCD screen will go out.

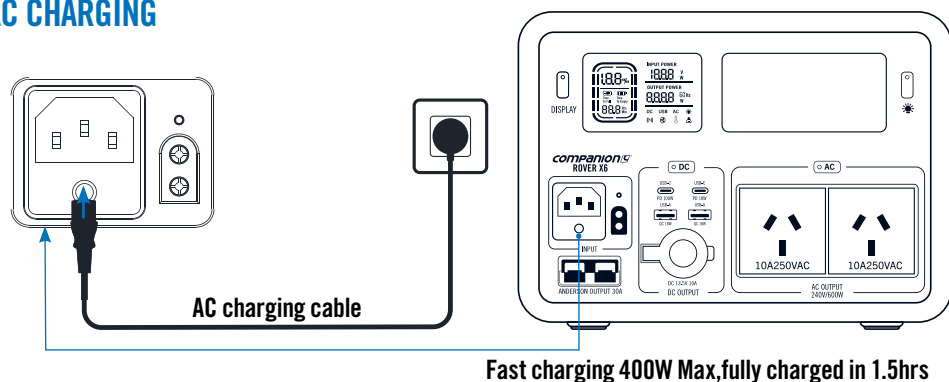
INDUCTIVE LOAD DEVICES

1. Inductive Loads (also called Lagging Loads, Inductive Load Banks, Inductive Reactive Loads or Power Factor Loads) are AC loads that are predominantly inductive in nature so the alternating current lags behind the alternating voltage when the current flows into the load. The inductive load device has an instant start power when it runs. Typically starting power is 3 times the amount of power to run the application.
2. If the Rover can run the device, check if there is an instant start power.

CHARGING ROVER

When the temperature of the product is relatively high, the high temperature warning indicator light will be on, and the product will be prohibited from charging. If it is plugged in for charging at this time, the LCD screen will prompt a “H-1” error. Normal charging will start after the temperature drops, and the product will limit the charging power according to the temperature. If the LCD screen prompts an “L-1” error, the current temperature is too low to charge. When the product temperature heats up, it will resume to normal charge.

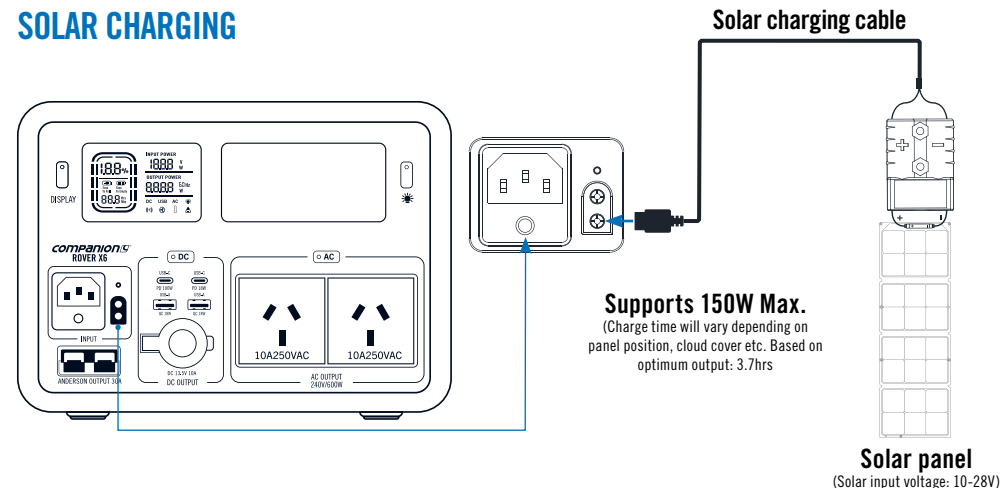
AC CHARGING



⚠ ATTENTION

1. For AC charging, use a power socket with a capacity of more than 10A and ensure that the working current of the socket is constantly greater than 10A.
2. For AC charging, use the included AC charging cable and plug the cable directly into a wall outlet instead of an extension socket.

SOLAR CHARGING



X6 EXAMPLE OF SOLAR INPUT based on solar panel voltage

SOLAR PANEL VOLTAGE EXAMPLE	MAX AMP INPUT	MAX WATTAGE
20V	7.5A	150W
24V	6.25A	150W

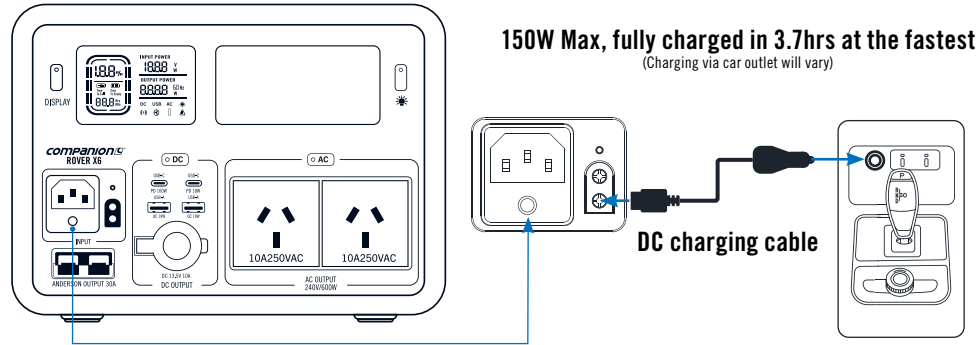
If you have a 20V solar panel, the maximum amp that the power station can accept is 7.5A which equals 150W.

⚠ ATTENTION

1. Solar panel not included.
2. When using a solar panel to charge the product, connect it according to the instructions in the user manual.
3. Before connecting the solar panel, ensure that the output voltage of the solar panel is between 10-28V to avoid product damage.
4. The power station has a built in MPPT controller so you do not need to use a solar controller. The solar panel MUST be connected directly to the power station with UNREGULATED solar.

DC CHARGING

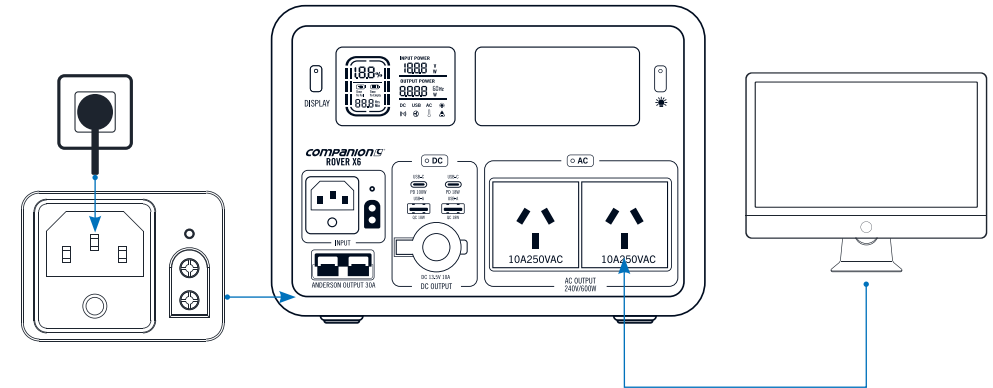
1. The product supports 12/24V DC chargers and a maximum charging current of 7.5A.
2. Charge the Rover after the car is started to avoid failure to start due to insufficient car battery. Ensure that the car power outlet is securely connected to the cigarette lighter of the DC charger input cable.



ADDITIONAL FEATURES

EPS

The Rover supports emergency power supply (EPS). When the AC outlet is connected to the AC input port through an AC cable, electrical devices can be powered through the AC output port. AC power will come from the grid instead of the power station in this situation. In case of a sudden blackout, the product can automatically switch to the battery-powered supply mode within 20ms (millisecond). If used for general small data processors such as home PCs, to ensure reliable conversion, it is recommended that only $\leq 60\%$ of the total power should be connected at the load side.



⚠ ATTENTION

As a basic UPS feature, the EPS does not support 0ms switching. Do not connect the product to any device that requires 0ms UPS (such as data servers and workstations). Test and confirm the compatibility before plugging in the product. It is recommended that one device (with maximum power $<600W$) at a time is charged. Do not use multiple devices at the same time to avoid triggering overload protection. Companion takes no responsibility for any device failure or data loss caused by failure to follow instructions.

MAINTENANCE & CARE

1. Store the product away from water, heat sources and metal objects.
2. To prolong the life of the battery, it is recommended to use or store the product between 20°C and 30°C.
3. For long-term storage, recharge the product every three months (firstly discharge it to 0%, then recharge it to 60%). The product will not be covered by the warranty if it is not charged or discharged for more than 3 months.
4. If the product has been idle for too long and the battery is severely low, it will enter a deep sleep protection mode. Fully charge the product before using it again.

FAQS

Q: How do I know how long the product can charge my devices?

A: The charging time is shown on the product's LCD screen, which can be used to estimate the charging time of most appliances with stable power usage.

Q: How do I know if the product is charging?

A: During charging, the remaining charging time is shown on the LCD screen. Meanwhile, the battery will flash.

Q: Can I take the product on a plane?

A: No.

Q: Why can't the product be charged at full power?

A: When the product detects that the internal temperature is high, the product will automatically limit the charging power for safety..

Q: Why does the product prompt "H-1" or "L-1" when charging, but it cannot be charged?

A: When the product detects that the internal temperature is too high or too low, for the sake of safety, the product will prohibit charging. Charging will resume automatically when the temperature drops or heats up.

TROUBLESHOOTING

INDICATOR	PROBLEM	SOLUTION
EA01	Inverter communication error	Restart the device
EA02/EA32/EA38	AC overload protection	Remove the load and restart
EA03/EA33	AC short circuit protection	Remove the load and restart
EA04/EA05EA06/ EA07/EA36/EA37	High ambient temperature	The function will automatically recover after the temperature drops
EA08	Low ambient temperature	The charging function will automatically recover after the temperature rises
EA09	AC output overvoltage	Remove the load and restart
EA10	AC input overvoltage	Disconnect the charger
EA11/EA30	DC input overvoltage	Disconnect the charger, check if the DC input voltage is within the specified range, and reconnect
EA12/EA31	DC input undervoltage	Disconnect the charger, check if the DC input voltage is within the specified range, and reconnect
EA13/EA32	AC overcurrent	Remove the load and restart
EA14	PLL abnormality	Remove the load and restart
EA15	Low load voltage	Remove the load and restart
EA16/EA35	Fan fault	Remove the load and restart
EA17/EA34/EA39	Other inverter faults	Automatically recover after restarting
EA18	DC fault	Remove the load and restart
EA22	Solar output short circuit	Disconnect the charger, check for the cause of the short circuit, and reconnect
EA23	Solar battery overvoltage	Disconnect the charger, check if the DC input voltage is within the specified range, and reconnect
EA40/EA41/EA45	Charge/Discharge bus undervoltage or overvoltage	Restart the device
EA42/EA43/EA44	Module communication fault	Restart the device
Ed01/Ed02	DC overcurrent	Reduce the DC and USB loads
Ed03	DC short circuit	Remove the load and restart

WARRANTY POLICY

INDICATOR	PROBLEM	SOLUTION
Ed04	DC 30A overcurrent	Remove the load and restart
Ed11	MPPT communication error	Disconnect the charger and reconnect
Ed12/EA21	MPPT over-temperature	Disconnect the charger, and resume charging after the temperature drops
Ed13/EA20	MPPT input overvoltage	Disconnect the charger, check if the DC input voltage is within the specified range, and reconnect
Eb01/H-2	Discharge over-temperature	The discharging function will automatically recover after the battery temperature drops
Eb02	Discharge under-temperature	The discharging function will automatically recover after the battery temperature rises
L-1	Charge over-temperature	The charging function will automatically recover after the battery temperature drops
H-2	Charge under-temperature	The charging function will automatically recover after the battery temperature rises

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 2 year 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: 2 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

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

