

# **Trailersol AdventureX Battery Warranty**

## Introduction

This warranty covers the Adventure X Lithium batteries 13.1v lithium series (105Ah, 230Ah, 306Ah and custom Ah) (the "Battery"). The Battery is designed for and intended to have a 5-10 year life span. The Battery has a built-in reserve margin capacity to ensure the Battery life span is maximised.

## **Battery Warranty**

The warranty period commences on the date of purchase from Adventure X Lithium (Pty) Ltd ("Adventure X Lithium") as reflected in the relevant Adventure X Lithium tax invoice. Adventure X Lithium warrants that the Battery cells will achieve a 5 year service life or deliver 5000 charge-discharge cycles as counted by the BMS, whichever event occurs first.

## **Warranty Conditions:**

1. The original invoice (digital or printed) must be provided to Adventure X Lithium in order to commence a warranty claim
2. The Battery is intended to be used for standby backup or daily cycling in UPS and Inverter systems including solar Inverters. Other uses for the Battery will void the warranty.
3. A fuse or suitable DC breaker must be installed between the inverter/charge/ups and the Battery or battery bank. Failure to install a suitable rated fuse or DC breaker can damage the Battery and will void the warranty.
4. The Battery must not have been contaminated with any foreign or corrosive matter. Contamination will void the warranty.
5. The warranty does not cover damage due to neglect or abuse such as improper installation, freezing, fire, flooding, or any acts of nature.
6. The warranty does not cover surges or spikes from the inverter or charging device that could damage the battery.
8. Incorrect sizing of the inverter, charger, or solar system can damage the Battery and void the warranty.
9. Batteries should be charged every 5-6 months, while in storage.
10. Warranty will be void if the firmware or BMS on the device has been deliberately tampered with or to try and reset cycle values or any data for warranty evaluation purposes.
11. If it is found that the Battery is being overloaded through large current draws above the intended rating of the battery, which is outside the intended or indicated specification parameters, the warranty will be void.
12. If the serial number has been tampered with or has been removed from the device the warranty will be void.
13. Warranty will be void if the BMS records (single instance or more) an internal temperature of higher than 55 degrees Celsius.
14. If the Battery is interconnected or mixed with other non-Adventure X batteries the warranty is void.
15. If the Battery has been opened or serviced by any person other than Adventure X Lithium the warranty is void.
16. If the Battery has been short circuited or the BMS records a Short Circuit event, the warranty will be void.
17. If the Battery is damaged due to negligence or excessive wear and tear the warranty is void.

18. If the Inverter damages the Battery due to voltage spikes or overloading the Battery or incorrect DC voltages are applied to the Battery, the warranty is void.
19. If the inverter/charger used on the Battery is out of the Battery usage specification or incorrectly sized the warranty will be void.
20. Any damage to the Battery caused by peripheral electrical equipment will void the warranty.
21. While the operating temperature for the Battery is designed to be 0 to 65 degrees Celsius, it is required, to sustain the warranty, that the customer keep the Battery temperature below 50 degrees Celsius when operating the Battery. This is also to maximise the life cycle of the Battery. The cycle life is negatively affected by temperatures above 5 degrees. The cycle life cannot be guaranteed if the Battery is operated in sustained or recurring temperatures exceeding 50 degrees Celsius.
22. The Battery is fully integrated and contained and is thus non serviceable and not intended to be opened by anyone except authorised service centres. If it has been found that the unit has been tampered with or has been opened or attempted to be opened, the warranty will be void.
23. If the Battery is unable to be serviced or repaired, a prorated warranty will apply. Any repairs or replacement parts will not extend the original warranty period.

### **BMS Warranty**

The integrated BMS module is designed to last over 10 years, however a standard 5-year warranty is provided for the BMS and all related probes and sensors.

### **Warranty claims process:**

In the event of a possible warranty claim, the following procedure is required to be followed:

1. Contact your authorised reseller and advise them of the issue.
2. The reseller must send or arrange with end user to send the Battery to one of our service centres.
3. The service centre will evaluate the Battery and validate if a claim is substantiated.
4. The service centre might request additional information from the client.
5. If a claim has been validated, repairs and servicing of the battery will be performed.
6. Any replaced parts will become the property of Adventure X Lithium (Pty) Ltd.

No.	Information needed	Fill in information
1	Battery product type/model	
2	BMS type/model	
3	Serial numbers of products	
4	Installation date	

## Android QR CODES for Bluetooth BMS application



### ***100Ah/230Ah Adventurer Series Lithium Battery***

Scan the QR code to download the latest version of the Bluetooth App for the 100Ah/230Ah battery



### ***105,230,304Ah/306Ah Slimline battery.***

Scan the QR code to download the latest version of the Bluetooth App

For the first pairing please enter the following password : 1234

## iOS QR CODES for Bluetooth BMS application



***105,230,304Ah/306Ah Slimline battery.***

Scan the QR code to download the latest version of the Bluetooth App.

For the first pairing please use password: 1234



***100Ah/230Ah Adventurer series***

Scan the QR code to download the latest version of the Bluetooth App for the J31 100Ah battery

## Android QR Code for Bluetooth Meta BMS application

### ***105,230,304Ah/306Ah Slimline battery***

Scan the QR code to download the latest version of the Bluetooth App



CANBUS PORT	
PIN	Allocation
1	CAN L
2	CAN H

RS485 PORT	
PIN	Allocation
1	485 B
2	485 A

## iOS QR Code for Bluetooth Meta BMS application

### ***105,230,304Ah/306Ah Slimline battery***

Scan the QR code to download the latest version of the Bluetooth App



CANBUS PORT	
PIN	Allocation
1	CAN L
2	CAN H

RS485 PORT	
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