

AY UP LIGHTING SYSTEMS

CHARGING SAFETY INFORMATION

WWW.AYUP-LIGHTS.COM

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Ay Up Lithium Polymer Batteries have been designed specifically for use with Ay Up lights. They have inbuilt circuitry to control, charging of the cells, short circuit, over loading and low voltage cut off. When a short circuit occurs (usually when a wire is broken or the battery becomes damaged) the output power from the battery is cut internally. If the short is removed the circuit board will reset and power will be available. If your light suddenly goes out there is a good chance of a short and you must inspect the battery. Discard any damaged battery but notify us of any problems.

Ay Up's classy charger, LBC 07A, has been solely designed to charge Ay Up Batteries

DO NOT charge these batteries with any other type of charger!

To charge your Ay Up Batteries you will need a 12V DC supply. In your kit you will have a 12V DC cigarette lighter adaptor, a 110 – 240V AC adaptor and the LBC 07A Lithium Polymer Charger.



NOTE: The sockets on the charger are identical and internal circuitry on both the charger and the batteries prevents any damage to the charger and or the battery should the input power be plugged into the wrong socket.

To charge plug the battery into the opposite end of the charger, labeled BATTERY. The indicator light will show RED – this means the battery is being charged. When this light shows GREEN – this means the battery is fully charged. No harm will come to the battery if it is left on charge whilst showing green. The battery will not charge any further and should be disconnected.

NOTE: When the batteries are not being used, charged or discharged, tuck the power plug into the battery pouch or place in a box to prevent short circuit with other batteries. Also take note that when flying with your light sets you must prevent any metal object from touching the power plug of the battery. A good idea is to wrap the plug in insulation tape.

To charge the battery connect either the AC or DC adaptor into the charger socket close to the indicator light and depressed semi circle. (The recess is there so you can identify the input side of the charger under low light or poor vision) This is labeled 12V DC INPUT.



Both sized batteries can be charged using the same charger using the supplied 12V adaptor or the AC adaptor. You must not use an input voltage over 12V and over 1500mA current. Doing so could damage the charger.



The 12V DC adaptor is equipped with an inline fuse and if you find the charger is not working then you should check that the fuse is OK. Simply unscrew the nipple taking care not to lose the plunger pin. Check the fuse and replace if necessary.



Before charging we recommend that you check the battery packs for damage. These packs are ultra sonically sealed and are waterproof to 1 meter of water depth. Any cracks, chaffed wire or damage to the packs could result in a short circuit and loss of light. Ay Up Batteries have been designed to withstand a 5 meter drop onto a concrete floor so are well suited for extreme MTB environments. Always replace a battery if it is damaged in any way.

NOTE: It is normal for the charger and 240V AC adaptor to warm slightly whilst charging. If it becomes hot, disconnect the power immediately and notify us by email for advice. The battery should never become warm whilst discharging or charging. Again disconnect and notify us by email if you experience this.



Ay Up batteries have a minimum 500 recharges. Our batteries do not have a memory and discharging a battery with the intention of recharging to gain more power does not work. Older batteries such as Nickel Metal Hydride or NiCad batteries needed to be drained before charging but not ours. You can charge Ay Up batteries at any state and they will hold their charge for many months

Caution -

Keep the batteries in a dry place when not in use. Never leave a charging battery unattended and always charge on a concrete, stone or non flammable surface. If charging in your home, workshop or office always fit a smoke alarm and check the functionality of the alarm regularly. If charging from your car, caravan or boat, never leave a charging battery unattended.

Do not leave batteries, charged or discharged in a hot car. A good idea is to store batteries in a cool box or esky.

Warranty:

Ay Up warranty on batteries and chargers is valid for 3 months from time of purchase. This is a no quibble replacement guarantee. Depending where you are in the world it could take from 1 to 5 days to replace your goods. If you have a warranty claim notify us by filling out the online warranty form or by email at warranty@ayup-lights.com