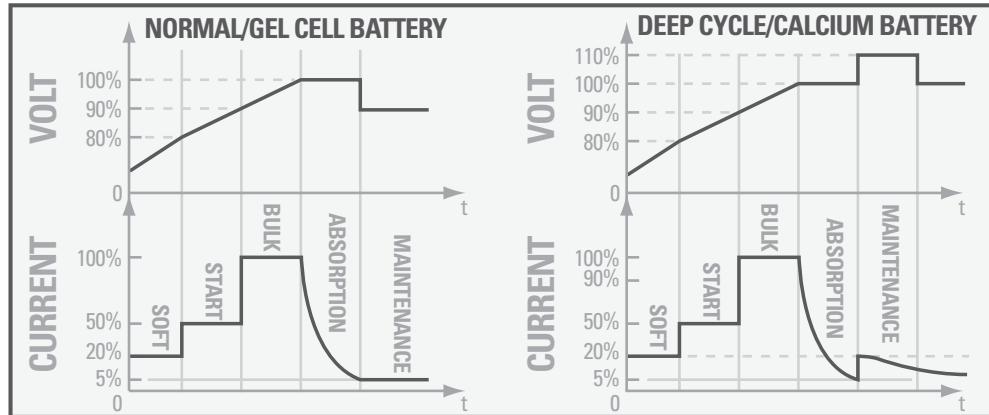


Charger Voltage and Current Curve Line



Maintenance and Care

- A minimal amount of care can keep your battery charger working properly for years. Clean the clamps each time you are finished charging. Wipe off any battery fluid that may have come in contact with the clamps to prevent corrosion. Coil the input and output cords neatly when

storing the charger. This will help prevent accidental damage to the cords and charger. Occasional cleaning of the case of the charger with a soft cloth will keep the finish shiny and help prevent corrosion. Store the battery charger in a clean and dry location.

Guarantee

Arlec guarantees this product in accordance with the Australian Consumer Law.

Arlec also warrants to the original first purchaser of this product ("you") from a retailer that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for commercial purposes ("Warranty").

If you wish to claim on the Warranty, you must, at your own expense, return the product, and provide proof of original purchase and your name, address and telephone number, to Arlec at the address below or the retailer from whom you originally purchased the product within 12 months from the date of purchase.

Arlec will (or authorise the retailer to) assess any claim you may make on the Warranty in the above manner and if, in Arlec's reasonable opinion, the Warranty applies, Arlec will at its own option and expense (or authorise the retailer to) replace the product with the same or similar product or repair the product and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty.

The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

ARLEC

Arlec Australia Pty. Ltd. ACN 009 322 105 ("Arlec") gives the Warranty.

Arlec's telephone number, address and email address are:

Customer Service: +61 3 9982 5111

Building 3, 31 – 41 Joseph Street, Blackburn North, Victoria, 3130
Blackburn North LPO, P.O. Box 1065, Blackburn North, 3130

Email: custservice@arlec.com.au

CPIN002643

ARLEC

BC916

4A 5 Stage Battery Charger

OPERATING INSTRUCTIONS



**12V
CHARGES 12 VOLT
BATTERIES**



**Important! Please read these instructions
carefully before use.**

Due to continuous research and development the specifications herein are subject to change without notice.

This Arlec battery charger is designed to charge 12 Volt lead-acid batteries. It is an easy charger to use, the circuit is all electronic and it will charge your flat battery to get your car, boat or motorcycle going again. The charger is protected internally to cut off the current in the event of a short circuit, an overload or reversed connection to the battery, and is double insulated for added safety.

BEFORE USING THIS CHARGER IT IS ESSENTIAL THAT YOU READ THE IMPORTANT SAFETY INFORMATION DETAILED BELOW.

Important Safety Instructions

- This charger is designed to charge 12V Normal Lead Acid, Gel Cell, Deep Cycle and Calcium type batteries of capacity 16Ah-100Ah. Do not attempt to charge other types of batteries such as NiCad, NiMH or non-rechargeable batteries.
- When a Lead Acid battery is being charged you may notice bubbling in the fluid caused by the release of gas. As the gas is flammable no naked flames should be used around the battery, and the area should be kept well ventilated.
- Because of the risk of explosive gas, only connect, and disconnect, the battery leads when the mains supply is disconnected
- When not in use, the battery charger must be kept in a dry area to avoid moisture.
- Your battery charger is designed for indoor use only. Keep away from any liquid, rain or snow at all times.
- Avoid getting electrolyte on your skin or clothes. It is acidic and can cause burns. If this occurs you shall rinse the affected area with water immediately.
- Never charge a frozen battery. If battery fluid (electrolyte) becomes frozen, bring battery into a warm area to allow battery to thaw before you begin charging.
- Never set a battery on top of charger or vice versa.

Identification



Preparing Your Battery To Be Charged

It is important that you read and follow these guidelines while you are preparing to charge the battery.

- Make sure that you have a 12 volt battery. Determine voltage of battery by referring to vehicle owner's manual.
- Clean the battery terminals. Be careful to keep corrosion from getting in or around your eyes.
- Wear safety glasses.
- For batteries with removable vent caps, if required, add distilled water to each cell until the battery acid reaches the level recommended by the manufacturer. This will help purge excessive gases from the cells. Be careful not to overfill. If you have a sealed battery with non-removable vent caps, no action is necessary.

NOTE: A marine (boat) battery installed in a boat must be removed and charged on shore.

Charging Your Battery

- Connect the DC clamps to the battery terminals in the following order.
- Connect the positive charging lead (RED) to the positive terminal of the battery (marked + or P).
- Connect the negative lead (BLACK) to the negative terminal of the battery (marked - or N). It is important to ensure that both DC Clamps are making good contact with their respective terminals and are away from the fuel line and top of the battery.
- Insert the AC plug into the mains supply (230-240 Volts AC only) and turn Power Switch on. The LED POWER ON indicator will turn on.
- Choose the type of battery to be charged by pressing the BATTERY SELECTION button until the green LED illuminates beside the connected battery type (NORMAL, GELL CELL, DEEP CYCLE or CALCIUM).
- Press the START CHARGING button. After a short delay the V/A and CHARGING LED's will illuminate, and the output voltage across the DC clamps will be displayed. To view the charging current press the V/A DISPLAY button. The display will toggle between voltage and current when the V/A DISPLAY button is pressed repeatedly. Charging time will vary depending on the state and size of the battery. Charging a battery overnight (12-15 hours) is usually enough to fully charge a flat car battery in reasonable condition. Smaller capacity motorcycle batteries may only need 4-6 hours to restore the battery to peak condition.
- When the green CHARGED LED comes on, this means the battery is fully charged. The charged battery voltage will be above 14V for all types of 12V batteries. The battery charger will then go into maintenance mode. No attention is required.

until the battery is required for use again. The battery may be left connected in this mode for long periods without damage. If the AC plug is accidentally pulled off from the mains supply, the battery charger will turn off. Remove the chassis connection and the other battery connection in this order. If the DC clamps are pulled off the battery while the AC plug is still connected to the mains supply, the charger will automatically switch back to the standby mode. Try to avoid disconnecting the DC clamps while the AC socket is still connected to power. After charging, switch off the mains supply. Then remove the negative chassis (BLACK) connection and the positive (RED) battery connection in this order.

- If the battery charger is not operated correctly, or connected to a damaged battery, it may revert to protected mode, causing all LEDs on the control panel to flash. This may happen if one of the following conditions occurs:
 - DC clamps are connected to the battery in reverse polarity
 - DC clamps are open circuited
 - Damaged battery is being connected