

(CBA) Computerised Battery Analyzer



The CBA IV computerised battery analyser offers a fast and accurate, easy to use method of scientifically analysing the performance and condition of batteries of virtually any chemistry.

With the capability to analyse coin cells to automotive batteries, the CBA IV's intuitive software contains presets and suggests safe test parameters for primary and rechargeable batteries, making it the perfect addition to any battery fleet management system.

- **Test any type of battery** from coin cells to cylindrical to packs with presets for NiCd, NiMH, Lead Acid, Lilon, LiPo, Alkaline, Carbon Zinc, Mercury & more
- **Solar Panel Profiling:** characterise performance of solar panels over various test loads.
- **Measures and displays 5 units:** voltage, current, amp-hrs, watts and temp. (Requires optional temperature probe and extended software[#]).
- **Test results graphically displayed.** Choose the parameters and the results can be saved for reference as well as printed and affixed to the tested battery.
- **Overlay multiple graphs** for easy comparison.
- **Increased sensitivity** to lower currents <10mA.
- **Tests quickly at real world load conditions**, up to 150 watts or 40 amps maximum
- **High voltage testing at up to 55 volts;** the equivalent of 1 to 38 NiCd or NiMH cells.
- **Fail safe:** automatic protection of temperature, current and power and automatic voltage shut off at end of test.
- **USB powered cooling system** with quiet fan & heat sink.
- **Plug and Play high speed USB interface**, with easy to use and intuitive Windows® software supplied on CD ROM. Upgradeable from website.

Model #: CBA IV

Model #: CBA IV PRO[^]

[^] the CBA IV Pro model features improvements over the CBA IV model which include:

- Lower current testing capabilities - down to 10 mA
 - Fail safe: automatic protection of temp, current and power*
 - Safety watchdog stops a discharge in the event of a PC crash*
- * Requires optional temperature probe and extended software.



Model #: CBA A2 500W Amplifier

The CBA A2 500W Amplifier enhances the testing capability of the CBA IV computerised battery analyser

Test at 5 times the power with a CBA amplifier in between a CBA and your battery.

- 500 watt discharge with a single amplifier
 - 1000 watt discharge with two amplifiers and harness
 - 2000 watt discharge with four 20X* amplifiers and harness
 - Designed for commercial or industrial use.
 - Test a Lithium cell at up to 120 A / 500 W with a single amplifier
 - Test a Nickel cell at 160 A regulated down to .9 V with a single amplifier
 - Test large batteries at high discharge rates
 - Test small batteries at or near their current and temperature limits
- *20X amplifiers are a special order item.



Model #: CBA Charger

The CBA Charger can be used with a CBA IV and a user provided battery charger to automate life cycle tests, automatically alternating between periods of charging and discharging the battery. By automatically switching between charge and discharge cycles of the battery, a hands-free lifetime test of the battery can be performed.

- CBA Charger interface requires a user provided battery charger compatible with your battery.
- Can measure the current going from the charger into the battery, and this current is logged by the software.
- Two general purpose inputs are available that can be used by the CBA Charger and software to determine when a charge cycle is complete. These inputs could be connected to a charge complete LED on the user provided battery charger.
- Two general purpose outputs are available that can be used to send start charging or stop charging messages to the user provided battery charger.



Image of Reverse

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