

FEATURES

- Control using BA500WIN Windows™ software or Run stand alone applications (Apps)
- View App data using on screen Console software
- USB connection to computer
- Expandable to 96 channels using simple USB hubs
- High speed data collection up to 64kbps
- Programmable pulsing as short as 100 μ S
- Built in fan with auto on/off
- 12 bit A/D & 12 bit D/A
- 16 Voltage auto-ranges for 1mV measurement res
- Includes universal 120/240 VAC power supply
- Includes programmable audio alarm indicator
- Precise on board constant Vol / Cur regulation
- Multi-chemistry design for all battery types
- Thermistor cable for temperature measurement
- Many programmable options for standard tests or special test routines
- Large selection of termination options
- Accuracy 0.25% full scale (V, I)
- Factory calibrated with calibration certificate
- User calibration software tools included
- On board flash memory for field upgradeable firmware
- Internal resistance measurement
- Short circuit, reverse polarity and overload protection

APPLICATIONS

- ▶ Battery charge, discharge, cycle, trickle & float
- ▶ Battery capacity measurement
- ▶ Battery charge monitoring
- ▶ Battery cycling
- ▶ Warranty validation
- ▶ Quality measurement
- ▶ Load simulation with pulse options
- ▶ Battery pack commissioning
- ▶ Creating custom battery testing algorithms
- ▶ Battery fleet maintenance
- ▶ Battery management routines
- ▶ Print reports for test documentation
- ▶ Life cycle testing
- ▶ Identify under performing batteries
- ▶ Select batteries for critical applications
- ▶ Recondition battery packs
- ▶ Validate manufacturer's specifications
- ▶ Programmable battery charger or load
- ▶ Stand alone battery control or alarm
- ▶ Protection circuitry testing
- ▶ Battery fuel gauge initialization



BA505 (100W)

DESCRIPTION

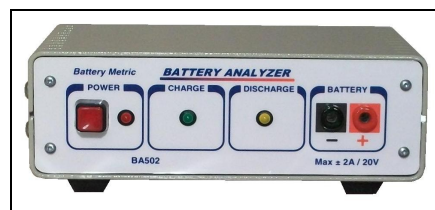
The BA500 series of battery analyzers provides a powerful system to perform a variety of battery management tasks. Select from several software tools to take advantage of the many features these modules offer. This system offers advanced testing capabilities and good value.

There are several models to choose from in the BA500 series. Select from various voltage and current capabilities to suit your application. Models with current up to 10A and voltages up to 60V are available.

Choose from a variety of software tools to operate your Battery Metric device. Use the BA500 device in a lab type application, a more specific test or a production application. The Battery Metric device has the flexibility to meet many battery management functions.

Each BA500 device is supplied with USB cable, built in fan, temperature probe, battery cables (banana plugs to alligator clips) and power supply. No additional equipment or power supplies are required. Just connect the analyzer to your USB port, install the software and connect the battery.

Each analyzer is one independent channel. Create a multi-channel system by connecting more analyzers to your computer. Mix different models for added versatility.



BA502 (40W)

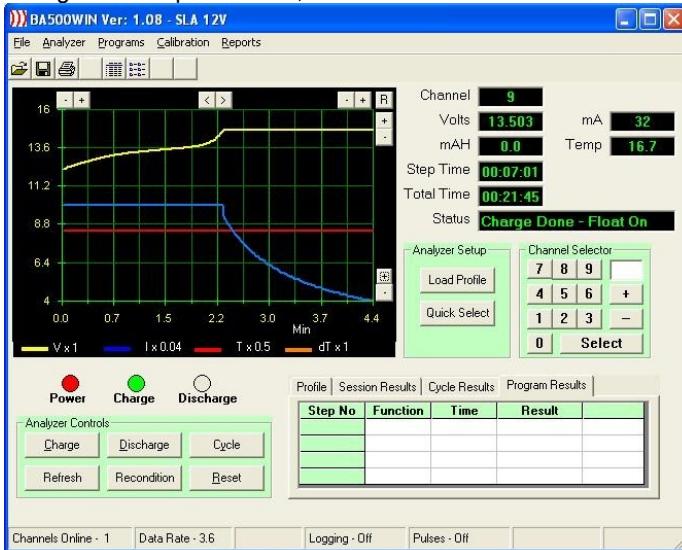


(5 Channel System)

BA500 modules can run **Apps** as an alternative to using **BA500WIN**. With Apps you have even greater flexibility to control the BA500 module. Write a unique App using **BatteryAppMaker** software or select an App from the Battery Metric online library collection. When the App is running you can view real-time data, session progress, results, graphs and more using the on screen Console. Apps can even run your Battery Metric device in stand alone mode so no computer is required.

Use the **BatteryAppMaker** software application to write or edit a unique battery test routine. Take advantage of the powerful routing, looping and comparison functionality to meet any charge, discharge or special test function. With Battery Apps you have full control over the BA500 resources to produce a unique App for a special test or application.

BA500WIN: Lab style GUI allows you to quickly & easily change the test parameters, collect data & control session



For frequently changing test parameters and data collection use BA500WIN. This laboratory type interface gives you real time control over the test session. Test parameters are easily created and stored in the profile database. Simply load the test profile to match your battery type and select from the on screen controls. BA500WIN also includes a Program feature for greater control or use the Quick Select options for default test parameters.

BatteryAppConsole: View Real Time and Saved Results for the running App using this on-screen console



This console is a separate software program for viewing the progress of a running App and loading new Apps. Real time data and saved data unique to the App is conveniently displayed. Includes printed reports and graphing features. This onscreen console display provides more information than you would normally find on a typical LCD display. The saved data is unique to the App can be specified using BatteryAppMaker.

| Model | Max Current + / - (A) | Max Voltage (V) | Current Resolution (mA) | Voltage Resolution Meas/Reg(mV) | Max Power (W) | Size (cm) | Weight (kg) | Battery Connection | Price (USD) |
|-------|--------------------------|--------------------|----------------------------|------------------------------------|------------------|--------------|----------------|--------------------|----------------|
| BA502 | 2 | 20 | 1 | 1 / 5 | 40 | 19x7x14 | 2 | 2 Wire | \$698 |
| BA505 | 5 | 20 | 2 | 1 / 5 | 100 | 25x11x25 | 5 | 4 Wire | \$1498 |
| BA510 | 10 | 10 | 3 | 1 / 2.5 | 100 | 25x11x25 | 5 | 4 Wire | \$1498 |
| BA503 | 3 | 40 | 1 | 1 / 10 | 120 | 25x11x25 | 5 | 4 Wire | \$1698 |
| BA518 | 10 | 18 | 3 | 1 / 4.5 | 150 | 25x11x25 | 5 | 4 Wire | \$1998 |
| BA535 | 5 | 30 | 2 | 1 / 7.5 | 150 | 25x11x25 | 5 | 4 Wire | \$1998 |
| BA560 | 2.5 | 60 | 1 | 1 / 15 | 150 | 25x11x25 | 5 | 4 Wire | \$1998 |

Also available for very low current testing: **BA521** => ±200mA/10V, **BA520** => ±20mA/10V, **BA522** => ±2mA/6V
Other voltage and current configurations available by special order. Specifications subject to change without notice.

To learn more visit: www.batterymetric.com