



DELIVER PROFESSIONAL SERVICE WITH αBAT BATTERY AND CHARGER TESTERS.

Why do you need the αBAT?

- It confirms the quality of the batteries and chargers you are selling.
- Improves your customer service and professionalism.
- Eliminates malfunctions due to the battery.
- Repays your investment by distinguishing between an empty battery and a defective battery.



αBAT

Why is battery capacity so important?

- When a battery doesn't have enough capacity, it is quite possible that it will be unable to withstand a normal day's operation. All batteries have a rated capacity. An acceptable operating range in most applications is 60% of its rated capacity. The capacity will vary depending upon the age and quality of the battery.

Why is charger quality so important?

- The lifetime of a battery will be reduced if it is not recharged properly. The αBat detects overcharging (causing the battery to overheat and damage the plates) and undercharging (causing sulphation build-up in the battery).

SURVEY OF APPLICATIONS

SPECIFICATIONS

- The αBat is the most accurate capacity tester in its price category.
- It works by discharging the battery and recording the voltage and current over time.
- While charging, all the important parameters are monitored and recorded.
- Our αBat is therefore the perfect tool for guaranteeing that your products and services will meet your customer's expectations.
- Microprocessor-controlled.
- Tests both 6V, 8V and 12V batteries.
- Supremely reliable, qualitative and professional.
- 24V chargers can also be tested.
- Different battery technologies can be tested: traditional lead-acid batteries, maintenance-free batteries,...
- Far more accurate than unreliable impedance testers.

Applications

- Golf
- Mobility
- Cleaning
- AWP
- Horticulture
- Recreational vehicles
- Marine
- Alarm systems
- UPS
- Electrical vehicles
- Renewable energy
- Research and development
- Traffic signs



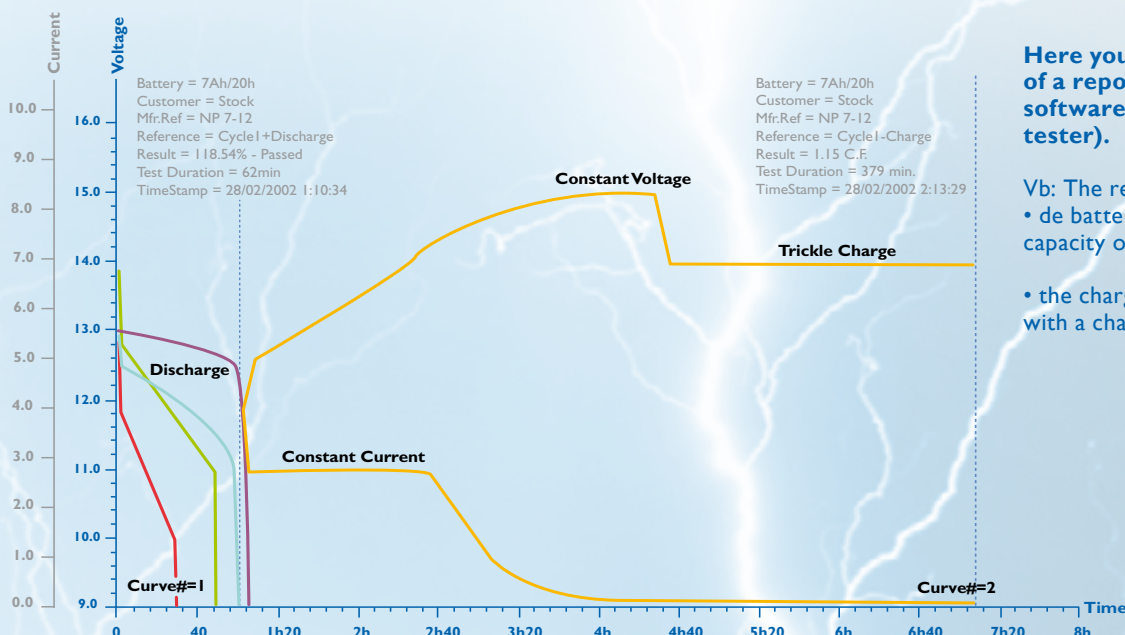
The αBat offers a wide range of possibilities:

Create a profile with your preferred settings and choose one to make a test.

Four built-in functions: single cycle capacity test, multiple cycle capacity test, charger test, and voltage recorder. The LCD shows you why the battery/charger is defective:

1. The battery needs charging prior to running the test.
2. The capacity of the battery is insufficient.
3. The battery has a short circuited cell or another internal failure (manufacturing fault).
4. The charger undercharges/overcharges the battery.

The LCD shows the effective capacity of the battery in hours and minutes or as a percentage. The battery capacity can be adjusted between 0.8 and 100 Ah20h (or max 400 Ah20h on the αBAT Pro). The αBAT can easily be connected to a computer for analysis of all the data. The software is very user-friendly and will give an accurate assessment of the battery capacity or charger quality. You can print reports to justify battery or charger replacement. Alongside you can see a typical test setup which permits successive discharge and recharge of a battery over several cycles.



Here you can see a graph of a report made with BITS software (supplied with the tester).

Vb: The report shows that:

- the battery has obtained a capacity of 118%
- the charger reloads the battery with a charge factor of 1.15

CHARACTERISTICS

There is an αBat for every application:

	αBat	αBat Pro
Battery capacity range	0.8...100Ah	0.8...400Ah
Battery voltage	6V/8V/12V	6V/8V/12V
Discharge current	Max.10A unregulated	Max.30A regulated
Max. charge current	15A	50A
Size in mm (L x W x H)	310x75x77	375x145x135
Weight (kg)	2.5	4.5



Take a look at the possibilities of this device and you will understand how it could benefit your professionalism!

- The αBat has a self-diagnostic function.
- It permits you to store several tests in its memory with an automatic date and time stamp.
- It uses a dynamic algorithm to detect a bad cell in a battery (manufacturing fault).
- Two terminals for battery and charger connections, which allow different customer-specific leads and connectors to be used.
- Battery temperature compensation.
- Maximum accuracy using Peukert calculation.
- A charger can be connected to recharge the battery after the test.
- Communication with PC via USB connection.
- B.I.T.S. (Battery Information & Test System) is the software supplied with the tester (Windows 95/98/NT/2000/XP/Vista compatible) which makes the set complete and gives the user the following additional options:
 - Store and print test results on your PC
 - Use of the computer as a remote control for the device.
 - Record your measurements in real time on your PC
 - Create and download profiles and settings for the device.
 - Enter a new program code (firmware) into the device

