Tehran battery testing

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The working structure of these devices is the electric discharge of the battery (battery discharge) with a current of about 3 times its nominal capacity. For example, it drains a 74 ampere-hour battery with three times its current, i.e. 220 amps, in a certain period of time.

If the final discharge voltage does not fall below the specified limit at the relevant time, it indicates the health of the battery. Some testers have the ability to measure the internal resistance of the battery. In car batteries (lead-acid) with the increase of the internal resistance of the battery, current generation will face problems and disturbances.

In general, the functioning of all existing battery testers is the same. The only difference is in the implementation and execution of this function. The car battery tester is divided into two categories in terms of operation, which will be explained in more detail below.

Considering that these testers have professional battery testing equipment such as required resistances, they have the ability to draw real current from car batteries. In fact, these testers effectively implement and simulate the conditions of drawing current from the car battery when starting the car.

The real performance and accuracy of this type of tester has caused them to be used in most battery manufacturing factories. These types of devices are offered in different power and current drawing sizes based on the needs of users.

These types of testers are usually found in small sizes and hand-held. The working method of using them is by drawing the instantaneous current in hundredths of a second and then simulating the performance of the battery test using conductivity algorithms.

In fact, these types of testers use their own algorithm to simulate the actual battery testing method in the previous state, which has a high probability of error and is not reliable. These types of testers are mostly used at home and cannot be used professionally.

A digital battery tester simulates the battery testing process by drawing a pulsed and momentary current from the battery as described. The performance accuracy of these types of testers is low despite having a beautiful and user-friendly appearance.

Due to simulating the actual test action, they need very high accuracy in implementing adaptive algorithms, and the smallest error in implementing these algorithms will cause errors in the final evaluation of batteries.

Click the button below to view the types of battery testing devices of Electro Sanat Tehran Company, to

inquire about the latest price and to buy a battery testing device from professional to portable.

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