

How to test the capacity of new energy battery cabinet





Overview

How to test battery capacity?

This post demonstrates the procedure to test the capacity of a battery. The test will determine and compare the battery's real capacity to its rated capacity. A load bank, voltmeters, and an amp meter will be utilized to discharge the battery at a specific current till a minimum voltage is achieved.

How do you calculate battery capacity?

See the time-adjusted approach that follows: To compute % capacity using the time adjusted technique, divide actual discharge time by the rated time, then multiply by 100. This assuming the battery is at 25°C. Battery Temperature is not as 25°C.

When do you end a battery capacity test?

Step-7: End the capacity test when the battery reaches the predetermined end point voltage (1.8V), a cell (or) unit reverses, or a safety issue is identified. The ampere-hour rating is calculated by multiplying the number of amperes of current that the battery can supply by the number of hours it takes to reach a specific end point voltage.

How do you calculate a battery ampere-hour rating?

The ampere-hour rating is calculated by multiplying the number of amperes of current that the battery can supply by the number of hours it takes to reach a specific end point voltage. For an accurate current determined during the test, the time of the test should match the calculation.



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