

# Battery cabinet conduction sensitivity test





## Overview

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What is a battery conductance test?

For power provision, this means that conductance can be used to track changes and detect battery defects, shorts, open circuits and prolonged undercharging, which will reduce the ability of the battery to perform. Conductance test measurements become a valuable tool to identify the point at which the battery is approaching its end of service life.

What is battery conductance?

It provides a direct relationship to battery power parameters. Battery conductance is measured by evaluating the voltage response to a small, select frequency AC current signal briefly impressed on the battery. The resultant conductance measurement provides pertinent battery information without the need of bringing the battery to full discharge.

How does a battery conductance measurement work?

Conductance measurements, sometimes called acceptance measurements, are performed by applying an AC voltage of a known frequency and amplitude across the battery and observing the current that flows as the result.

What is a conductance test?

Conductance test measurements become a valuable tool to identify the point at which the battery is approaching its end of service life. There is no direct correlation between conductance and the available capacity from a battery; hence a coefficient does not exist. As remaining battery life decreases, so does the conductance.



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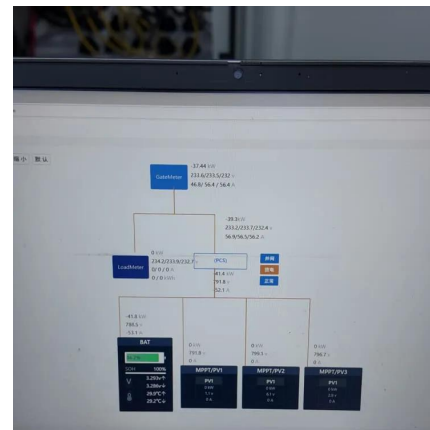


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Conduance measurements, sometimes called acceptance measurements, are performed by applying an AC voltage of a known frequency and amplitude ...



### [Battery Conduance Testing Procedures and Maintenance](#)

Generator Starting BatteriesMaintenance RequirementsPersonal Protective EquipmentTesting ProceduresConclusionDepending on the brand of battery conduance tester, set up may vary. The



tester should guide you through the steps in selecting the correct settings. The most important will be "Cold Cranking Amps" or CCA. This specification is the measure of a battery's ability to supply a certain amount of power for a short period. Make sure the CCA setting is See more on mgieps Author: Danny Chisholmthomsontesting [PDF]

## DFT-6102 Battery Conductance Tester Users Manual

Jul 22, 2022 · 1.1. Purpose The battery Conductance Tester adopts the most advanced AC discharge test method, which can accurately test



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