

# ULTRA CARE

## CAPACITY TEST

Vented Lead-Acid  
Valve-Regulated Lead-Acid  
Nickel Cadmium

**ULTRA CARE Capacity Test:** Battery discharge testing is the only definitive way to determine the capacity and state of health of the entire battery system. Our *ULTRA CARE* Battery Capacity Test provides the highest degree of assurance that a battery can deliver its rated capacity to the critical power system in the event of a power outage.

Our *ULTRA CARE* Battery Capacity Test includes a comprehensive inspection of the battery system to ensure accurate test results and is completed in accordance with IEEE Standards and Battery Manufacturer's recommendations, and consists of Acceptance, Performance, and Service Tests; as required by the customer and application.

**Battery Recycling:** Johnson Battery provides EPA approved recycling of any spent lead-acid or nickel-cadmium batteries along with documentation.



Tests Performed	Acceptance / Performance	Service
Ensure that an equalize charge has been properly completed (as recommended by battery manufacturer)	✓	
Check and record resistance values of inter-cell & inter-tier (or inter-step) connections	✓	
Visually check inter-cell & inter-tier (or inter-step) connections for extreme corrosion or obvious damage that could result in high resistance and advise customer if corrective maintenance should be performed before testing	✓	✓
Check and record specific gravity (VLA) and float voltage of each cell	✓	✓
Check and record temperature of every tenth cell	✓	✓
Check and record battery terminal float voltage	✓	✓
Prepare the load tester and monitor	✓	✓
Connect all sensing leads to battery	✓	✓
Calibrate monitoring unit and set up all parameters	✓	✓
Utilize the monitor to record cell voltages	✓	✓
Connect back-up battery (if required)	✓	✓
Disconnect test battery and connect load tester	✓	✓
Perform test at specified rate and time	✓	✓
Disconnect all test equipment	✓	✓
Reconnect test battery if it was removed from service for testing	✓	✓
Recharge battery and once complete, restore appropriate float charge voltage	✓	✓
Remove back-up battery (if required)	✓	✓
Complete test report	✓	✓

**CORRECTIVE ACTIONS** – After our *ULTRA CARE* Capacity Test is performed all required corrective actions and the urgency of each corrective action will be communicated to the Client. Johnson Battery can then work with the Client to offer recommendations to correct any concerns.



**Johnson Battery Company, Inc.**

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