

ULTRA CARE

INSTALLATION, CERTIFICATION, AND COMMISSIONING

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

ULTRA CARE Battery Installation, Certification, and Commissioning:

Johnson Battery offers a fully trained and experienced installation team to meet the needs of replacement battery and new battery installations and certifications.

Our *ULTRA CARE* Battery Installation, Certification, and Commissioning service provides assurance that the battery and racks are received and installed properly. All installations are completed in accordance with IEEE standards and the Battery Manufacturer's recommendations. After the install a detailed report is provided outlining the work performed and establishing the required baseline measurements needed for future trending.

Our installation team is committed to work closely with our Clients before, during, and after the Installation and Certification to ensure minimal disruption of the operation.

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



Installation

- ✓ Review location, layout requirements, and required delivery dates
- ✓ Uninstall spent battery(s) and old racks/cabinets
- ✓ Remove spent battery(s) from location and recycle spent batteries according to EPA standards
- ✓ Remove old racks/cabinets from location
- ✓ Upon receipt, visually inspect new battery(s) for any apparent manufacturing issues, damage or electrolyte leaking
- ✓ Upon receipt, verify all system components for new battery and rack
- ✓ Install battery and rack as designed
- ✓ Complete all connections – inter-cell, inter-rack, inter-tier (or inter-step)
- ✓ Recommend a freshening charge, as recommended by the battery manufacturer
- ✓ Complete all data collection measurements as outlined in IEEE standards
- ✓ Remove and dispose of any unnecessary material created during the installation – packing material, pallets, etc. . .

Certification

- ✓ Confirm battery connections, battery installation, cell configuration, and cell identification
- ✓ Check battery rack and supports
- ✓ Verify grounding connections (if required)
- ✓ Check ambient temperature and monitor ventilation system
- ✓ Visually inspect cells, connections, and racks
- ✓ Verify battery cell voltage and connection resistance
- ✓ Check safety equipment needed to neutralize and/or contain any electrolyte spills
- ✓ Provide a summary report with the measurements recorded as outlined in IEEE standards
- ✓ Provide Installation Certification document
- ✓ Create and coordinate an Ultra Care maintenance program

Commissioning: Nickel Cadmium Only

- ✓ Commissioning is critical with helping nickel cadmium batteries achieve its design life, available capacity or capability
- ✓ Proper commissioning consists of charging the battery (cells) at a very specific voltage or current for a time established by the manufacturer.



Johnson Battery Company, Inc.

Corporate: 6487 US Highway 19 South • Zebulon, GA 30295

Phone: 800.634.2801 • Fax 770.567.0020