

# IOVR+™ Special Recovery Process

## Unconditional Guarantee

Battery Research and Testing Inc. (BR&T) unconditionally guarantees that the BR&T performed IOVR+™ Special Recovery Process will result in improved internal ohmic values over the as-found values in all structurally sound 2-volt VRLA AGM cells that exhibit degraded values from their original baseline readings, when those degraded values are caused by dry-out or negative plate discharge. The guarantee is offered with the understanding that the battery and/or cells will be operated within the battery manufacturer's recommended parameters.

In addition to the guarantee of internal ohmic value improvements we will also accomplish the following:

1. The amount of float current required to maintain the string in a charged state will be reduced when it is already elevated above standard.
2. The temperature differential between the battery and the ambient will be reduced when it is already elevated due to internal conditions
3. The capacity, capability or run time will improve over the as found values when they are degraded upon arrival on site. See note 1 below.

This guarantee applies to all structurally sound VRLA AGM cells that are exhibiting degraded internal ohmic values, elevated float current, abnormal cell to ambient temperature differentials, or degraded capacity or run time caused by dry-out or negative plate discharge. In the event that internal ohmic value improvements are not realized within forty-eight hours of completion of the IOVR+™ Special Recovery Process, BR&T will credit in full the total invoice amount for any cell or cells that do not improve. This does not apply to batteries whose PCL (Pre-mature Capacity Loss) is based upon design or manufacturing issues.

NOTE 1: BR&T makes no claim, neither stated or implied, that the subject battery and/or cells will meet or exceed rated capacity. Rather that the battery will realize improvement in at least one of the four parameters stated in above. Before and after IOVR+ capacity or run time tests will be compared to those tests performed within a 30 day period prior to and 30 days following the performance of our services.

*IOVR™ and IOVR+™ are trademarks or registered trademarks of Battery Research and Testing Inc.*

NY Corp. Headquarters • 1313 County Route 1 • Oswego NY 13126  
Toll-Free: (800) 221-7123 • <http://www.batteryresearch.com> • email [info@batteryresearch.com](mailto:info@batteryresearch.com)



# IOVR+™ Special Recovery Process 3-Year Guarantee

Battery Research and Testing Inc. (BR&T) unconditionally guarantees that the BR&T performed IOVR+™ Special Recovery Process will result in any one (up to all) of the following in all structurally sound 2-volt VRLA AGM cells. BR&T guarantees that with degraded cells we will make improvements over the as-found values/readings. The guarantee is offered with the understanding that the battery and/or cells be operated within the battery manufacturer's recommended parameters. Verification of proper operation will require installation and online visibility of a BR&T provided BEM (Battery Event Monitor).

Values/readings applicable to the IOVR+™ Special Recovery Process Guarantee:

1. BR&T will make improvements to the internal ohmic values of any structurally sound cell in a string when it is already degraded AND/OR
2. BR&T will reduce the amount of float current required to maintain the string in a charged state, when it is already elevated AND/OR
3. BR&T will reduce the operating temperature of the battery itself as compared to the ambient, when it is elevated due to internal conditions AND/OR
4. BR&T will improve the capacity, capability or run time over the as found values when they are found to be degraded AND/OR
5. BR&T will prevent thermal-runaway for the duration of the thirty-six (36) month period.

This guarantee applies to structurally sound cells that exhibit premature capacity loss , degraded internal ohmic values, elevated float current or increased operating temperature.

Claims for refund and supporting documentation can be sent electronically to [info@batteryresearch.com](mailto:info@batteryresearch.com) or mailed to :

Battery Research and Testing Inc.  
Attn: IOVR Guarantee Claims  
1313 County Route 1  
Oswego, NY 13126

Customer agrees if a claim is deemed valid, at BR&T's discretion, we will be allowed to attempt corrective actions at BR&T's expense. Successful improvements to the battery and/or cells, that returns them to values above the as-found values, would fulfill the obligation of the IOVR+™ Process Guarantee.

The guarantee is for thirty-six months from the time of the completion of the IOVR+™ Special Recovery Process.

BR&T makes no claim, neither stated or implied, that the subject battery and/or cells will meet or exceed rated capacity. Rather that the battery will realize and maintain improvement in at least one of the five parameters stated in the Guarantee.

*IOVR™ and IOVR+™ are trademarks or registered trademarks of Battery Research and Testing Inc.*

NY Corp. Headquarters • 1313 County Route 1 • Oswego NY 13126  
Toll-Free: (800) 221-7123 • <http://www.batteryresearch.com> • email [info@batteryresearch.com](mailto:info@batteryresearch.com)

