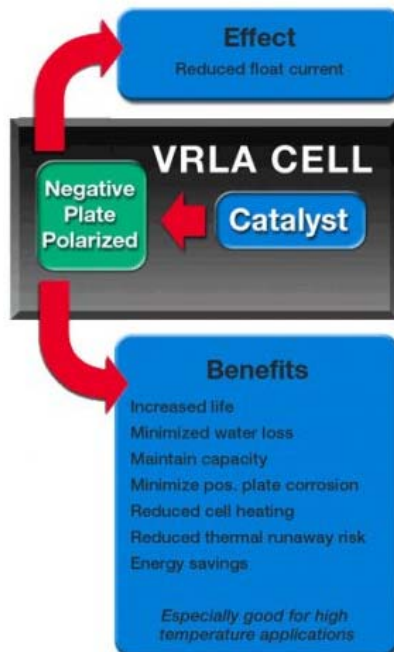


IOVR+™ - Special Recovery Process

Extend the useful life of your VRLA battery system

If you have a battery string that is made up of 2 volt VRLA cells, there are a number of benefits that you can obtain by using our IOVR+™ (Internal Ohmic Value Recovery+) Process in your battery systems. The object of performing this process on your cells is to help you obtain the performance, reliability, and return on investment, that you expect from your battery systems. The benefits that this process will provide to your batteries are as follows

- Will help reduce the internal resistance of the cell.
- Will help reduce the amount of charge current required to maintain full charge.
- Will reduce the rate of water loss for the cells.
- Will restore plate potentials to their proper values if they have already shifted.
- Will help recover sulfated plates.
- Will help to restore lost capacity, or reserve time.
- Will increase the reliability of the system.
- Will reduce the risk of thermal runaway.



- Reduction in Float Current
- Minimized water loss
- Increased life
- Minimization of positive plate corrosion
- Reduced cell heating
- Reduced risk of thermal runaway
- Energy savings
- Maintenance of cell capacity
- Improve internal ohmic values

Contact a BR&T representative for further information

Candidates for Successful IOVR+ Criteria

- 2V vrla cells 6 years of age or older (internal ohmic values will help determine how early in the cell's life the process will provide a maximum benefit)
- Absorbed Glass Mat (AGM technology only, no GEL)
- Cells that are structurally sound (no jar/cover or post seal leaks, etc.)
- Cell that have been in float service (cells that have been stored for an extended period of time may have too much sulfation or plate damage) - again, internal ohmic values will help determine if a cell is a candidate.
- Cells that have not been in thermal runaway (frequently there is too much internal damage for the IOVR+ process to be effective)

We have a success rate of >99.8% and have agreements with major U.S. manufacturers that performing this process will not impact warranty (most cells addressed with the IOVR+ process have aged out of factory warranty coverage, but we can provide "catalysts only" on newer cells, delaying when the full IOVR+ process has to be completed).

The IOVR+ process has proven to add an additional 5+ years of reliable service life in recovered cells.