



## IceCap's Backup Battery For use with EcoTech Marine's VorTech Pump

Congratulations on your decision to own the best aquarium water current generating pump available and arming it with our Backup Battery. This amazing pump can do just about anything you need in the way of circulation and now you have the security of a reliable failsafe in case of a power outage. When the power fails, a critical countdown begins. Every tank is unique, but within a 4 to 10 hour period most tanks will 'crash' due to lack of flow and oxygen depletion. Temperature control and a source for light are longer-term concerns, but in an emergency, flow and oxygen come first.

The Vortech pump's driver constantly monitors the incoming 24-volts of DC power it receives from the transformer that comes with your pump. If the power stops, the driver seamlessly switches to the Battery Backup and draws 12-volts for up to 30 hours of emergency circulation. Depending on your pump's manually set operating speed, and the age and use time on the battery, you may get slightly more or less run time. Typically, if the pump speed is set above half of maximum, the driver will reset to half speed off the battery. If the speed is set below half, it will maintain that speed setting.

Battery life is a function of the temperature it's kept at (optimally mid 70° F) and the number of discharges the battery has cycled through. The more heavy discharges, the less available power will be there when the battery is next called upon. The re-charger that comes with the battery should always be plugged in to ensure a topped off battery. Even if you are storing the sealed battery, it should be fully charged first.

So, the next time you're away for a weekend and hear of power outages in your area, you can rest a bit easier. If you string two of our batteries together using the additional output ports, you double the run time of your pump and your level of comfort accordingly as each battery adds 30 plus hours. Alternatively, one Backup Battery can be linked to two pumps yielding half the run time, but giving you the ability to protect two systems at once.

Saving your tank from a meltdown is a no-brainer, avoiding the creation of toxic waste while protecting your aquarium takes thought. In the interest of saving more than just your aquarium we offer the following:

When it is time to replace the battery (typically 5 to 7 years as is the norm for all high quality rechargeable batteries) IceCap will ask that you return the battery in its aluminum housing. We will then replace the battery with a new sealed lead acid battery (or a better alternative should one exist at a reasonable cost), and send it back to you. As of now we anticipate the charge to be \$65.00 which includes removal of the old battery, replacing it and returning it to you. Then IceCap will recycle the battery in an environmentally friendly way. Your only additional cost would be shipping your battery back to IceCap.

Thank you for depending on IceCap, and thank you for making a smart move by buying insurance your tank will hopefully never need. Now you can truly relax, even when you're not home.

**IceCap, Inc. 9-B S. Gold Dr. Hamilton NJ 08691 800-742-3227 / [www.IceCapinc.com](http://www.IceCapinc.com)**

Two year warranty on any defects not caused by abuse.

Maximum Liability is the cost of the Complete Backup Battery System.