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 support@ecotechmarine.com or
 ecotechmarine.com/support

Customer Support

Battery Backup FOR ECOTECH MARINE PRODUCTS



EcoTech Marine Community is another tool for users to ask questions, troubleshoot and learn about EcoTech products. For additional information about your Battery Backup, please visit us at community.ecotechmarine.com.

ECOTECH MARINE COMMUNITY



Contents

- Battery Backup
- Fused Cables
- Outlet Plug
- Power Supply

Backup Operation Time

PRODUCT	IMAGE	HOURS*	
		1 UNIT	2 UNITS
MP10		72	36
MP40		36	18
MP60		20	10

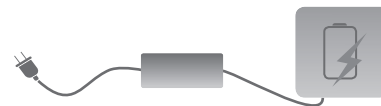
*Actual hours may vary due to operating conditions and battery cycle times.

Basic Setup

1 Connect plug to power supply.



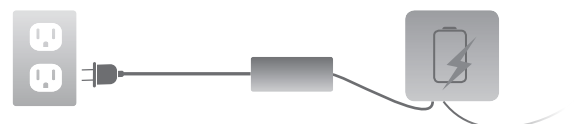
2 Connect power supply to Battery Backup.



3 Connect pump to Battery Backup.



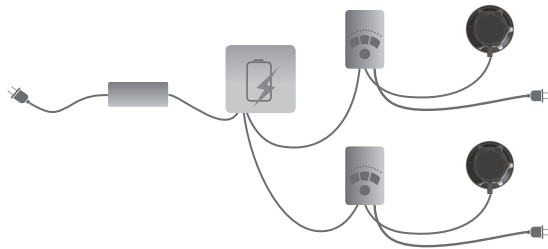
4 Plug Battery Backup into electrical outlet.



Setup Scenarios

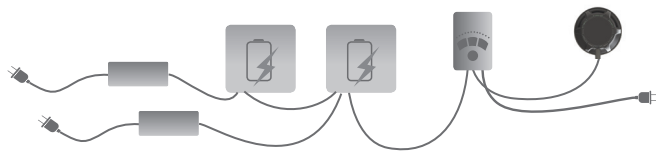
TWO VORTECH PUMPS, ONE BATTERY BACKUP

You may run two VorTech pumps off one Battery Backup, but doing so will reduce the total run-time for each pump by approximately one-half.



TWO BATTERY BACKUPS, ONE VORTECH PUMP

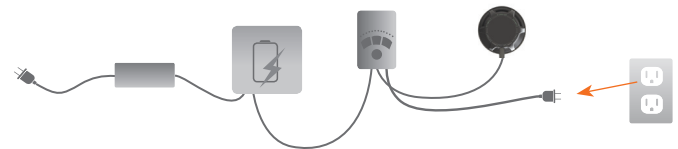
To double the run-time of one VorTech pump, connect two Battery Backups together in a daisy-chain fashion using the provided cables.



Testing

We recommend testing your Battery Backup in action once every month.

- 1 Unplug both the Battery Backup and the VorTech pump from the electrical outlet.



- 2 The power indicator on your VorTech EcoSmart controller will show the amount of charge remaining in the Battery Backup.



⚠ OPERATIONS AND MAINTENANCE

The battery backup should be maintained around 70° F to keep it in optimal condition. The life of the battery will also depend on the number of discharges that the unit has been cycled through. Every time the unit is cycled, the life of the battery and its capacity is reduced.

Warranty

EcoTech Marine warrants to the original purchaser only that the Battery Backup will be free from defects in material and workmanship under normal use for a period of one year provided that the product is installed and used properly and consistent with the product manual. No representation or warranty by any EcoTech Marine salesperson, dealer, agent representative, employee, or any other individual or entity acting or purporting to act on behalf of EcoTech Marine, shall be binding upon EcoTech Marine other than as expressly set forth herein. This limited warranty applies only to the original purchaser and is not transferable from the original consumer purchaser. In the event of a limited warranty claim, proof of purchase will be required.

EcoTech Marine's warranty shall not apply: (i) to any damaged Battery Backup that has been subjected to accident, misuse, neglect, alteration, acts of God, improper handling, improper transport, improper storage, improper use or application, improper installation, improper testing or unauthorized repair, operation outside recommended parameters (as described in the applicable product manual, for example, damage from saltwater spray or heat), power fluctuation or failure, subjection to abnormal physical or electrical stress, use of incompatible products, non-approved power supplies/connections, or similar circumstances (ii) to any Battery Backup where product been exposed to water or (iii) to cosmetic problems or defects that result from normal wear and tear under ordinary use, and do not affect the performance or use of the product. EcoTech Marine's warranty applies only to a product that is manufactured by or for EcoTech Marine and identified by the EcoTech Marine, trade name or product identification logo affixed to the product. If you notice a problem with your Battery Backup, do not attempt to repair it yourself. Any attempts at self repair shall void this limited warranty.

The Battery Backup is designed to operate the VorTech propeller pumps at 12 volts of Direct Current (DC) in the event of a power outage. The Battery backup will operate the VorTech propeller pump in the event of a power outage. The run time that the pump will operate for while on battery power will depend upon many variables such as age and usage history of battery, the condition of your VorTech pump, the speed that you run it at while in battery backup mode, the number of pumps that you run off of one battery backup, or the number of batteries that you use to run one pump. These variables cannot be accurately predicted and testing your pump and battery system is a critical part of ensuring the safety of your aquarium against power outages.

There are many necessary conditions that aquarium livestock require to survive in a home aquarium which may not be met during periods where power is not being supplied to your aquarium equipment. As a result, a VorTech propeller pump operating in battery backup mode may not produce enough flow to prevent the death of aquarium livestock. EcoTech Marine shall not be held liable for the deaths of any aquarium livestock that occur while using the battery backup during a power outage of any length of time, under any condition. We strongly recommend that you consult an expert to determine the optimal battery backup and pump arrangement to improve the likelihood of successfully maintaining your livestock during a power outage. We also recommend that you test your battery backup and pump system periodically to ensure that it is functioning optimally and to determine if it provides adequate flow to maintain your aquarium inhabitants in the event of a power outage. Finally, we recommend that pumps used on the battery backup system during a power outage be placed as high in the tank as possible, so as to disrupt the surface of the water and improve oxygen diffusion as much as possible.

If the product develops a covered defect within the one-year period, EcoTech Marine will, at its option, either repair or replace the Battery Backup without charge, provided that the Battery Backup is returned during the warranty period.

ECOTECH MARINE DISCLAIMS ALL OTHER WARRANTIES WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, TO THE FULLEST EXTENT ALLOWED BY APPLICABLE LAW. NO IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY SHALL APPLY EXCEPT AS REQUIRED BY APPLICABLE LAW. ECOTECH MARINE DOES NOT AUTHORIZE ANY PERSON OR BUSINESS ENTITY, INCLUDING ITS AUTHORIZED DEALERS, TO CREATE FOR IT ANY OBLIGATIONS, LIABILITIES, OR OTHER WARRANTIES IN CONNECTION WITH THIS PRODUCT.

ALL WARRANTIES ARE VOID IF THERE IS DAMAGE TO THE BATTERY BACKUP THAT IS NOT A RESULT OF A DEFECT IN THE MATERIALS OR WORKMANSHIP. THE SOLE AND EXCLUSIVE REMEDY FOR ALL CLAIMS THAT YOU MAY HAVE ARISING OUT OF OR IN CONNECTION WITH YOUR USE OF THIS PRODUCT, WHETHER MADE OR SUFFERED BY YOU OR ANOTHER PERSON AND WHETHER BASED IN CONTRACT OR TORT, SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT. IN NO EVENT WILL ECOTECH MARINE BE LIABLE TO YOU OR ANY OTHER PARTY FOR ANY DIRECT, INDIRECT, GENERAL, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR OTHER DAMAGES ARISING OUT OF THE USE OR INABILITY OF TO USE THE PRODUCT (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION OR ANY OTHER PECUNIARY LOSS, DAMAGE TO YOUR AQUARIUM OR ANY AQUARIUM INHABITANTS), OR FROM ANY BREACH OF WARRANTY, EVEN IF ECOTECH MARINE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO CASE SHALL ECOTECH MARINE'S LIABILITY EXCEED THE AMOUNT YOU PAID FOR THE PRODUCT. IF YOU DISAGREE WITH THESE TERMS AND CONDITIONS DO NOT USE THE BATTERY BACKUP.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply to you. EcoTech Marine's warranty is governed by the laws of the State of Pennsylvania, excluding its conflict of laws principles and excluding the provisions of the United Nations Convention on Contracts for the International Sale of Goods. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

TECHNICAL SUPPORT: This limited warranty is neither a service nor a support contract. Information about EcoTech Marine's current support offerings and policies can be found at <http://www.ecotechmarine.com/support>.