



Here are some quick tips to keep you up and running during the winter while using lithium based starter batteries.

Lithium Batteries by design offer better performance as the battery warms up. So, if the bike doesn't start on the first attempt in colder temperatures you will have the confidence knowing each subsequent attempt will get better. Lab tests typically measure higher delivered voltages even after 10 or more start simulations!

The key to cold starting is to use the bikes headlight and/or the starter motor current to warm the battery. In cold weather it helps to turn the headlight on for 1-2 minutes and then cycle the key off for 30-60 before trying to start the bike, up to 5 attempts. If it doesn't start, repeat the headlight process until the battery warms enough to start the bike. If it is below 40F you may need to leave the headlight on for longer, but not more than 4-5 minutes at a time. And be sure to turn the key off to let the battery recover for 30-60 seconds before trying to start the bike.

Also, turning on accessories that draw high current like heated grips or electric riding gear can be used to speed up the battery warming process substantially. If you use the accessories to speed up the battery heating process, be sure to limit it to 2 minutes or less at a time between starter attempts. And also be sure to turn off the key for 30-60 seconds and leave the accessories off to reduce the load before attempting a start.

For more information please visit our FAQ and troubleshooting pages here:

<http://shoraipower.com/faq>

<http://shoraipower.com/lfxcheck>