



# USER GUIDE

## LiFePO4 DEEP CYCLE BATTERIES

### THANKS FOR YOUR PURCHASE!

Welcome to the Norsk Lithium family and thank you for purchasing a Norsk Lithium LiFePO4 Battery. Our batteries are designed to provide reliable power for marine & off-grid use with both heated and non-heated options available. Our batteries are equipped with advanced technology to ensure optimal performance and longevity. This user guide will provide you with essential information on how to use, charge, store, and maintain your battery to ensure optimal performance. Please read this user guide in full prior to using your new Norsk Lithium Battery.

### CUSTOMER SERVICE

We stand behind the quality of our batteries and are committed to providing you with excellent customer service. If you purchased your product from a retail location or Amazon and have any questions or concerns please **DO NOT return it to the store**. Instead, please contact us at [info@norsklithium.com](mailto:info@norsklithium.com) and we would be happy to help you resolve any issues you may be experiencing.

### HELP CENTER

If you have any questions or concerns about your Norsk Lithium LiFePO4 Battery, you can also visit our Help Center on our website. There you will find FAQs, How-to-Videos and Warranty Information:

[www.norsklithium.com/help-center](http://www.norsklithium.com/help-center)

You can also contact our customer support team via email or phone, and we will be happy to assist you.

### CHARGING

Norsk Lithium LiFePO4 Deep Cycle Batteries are compatible with most popular onboard chargers that have an AGM or Lithium setting. If your onboard charger does not have an AGM or Lithium setting, use a charger specifically designed for LiFePO4 batteries. Before charging, ensure the battery is correctly connected and securely fastened to the boat or other equipment. Never charge the battery in a confined space.

For non-heated batteries, the Battery Management System (BMS) will prevent your battery from accepting a charge at temps below 32° F / 0° C. If you need to charge a non-heated Norsk Lithium battery you will need to move the battery to a heated location where the battery's cells can warm to a temperature above 32° F / 0° C before the battery will accept a charge. When charging a Norsk Lithium heated battery in cold temperatures, see the section below.

### HEATED BATTERIES

Our proprietary Thermal-Core Heating Technology™ ensures safe charging in cold weather by measuring the temperature of the cells inside the battery and rerouting the charging current to heat the battery's internal temperature if the cell temperature is below 32° F / 0° C. Once the battery has warmed to a temperature above 32° F / 0° C, the current will be redirected from the thermal-cores to the cells for safe and reliable charging.

## BATTERY MANAGEMENT SYSTEM (BMS)

Our internal Advanced Battery Management System (BMS), provides protection against common issues such as overcharging, crossed terminals, cell balancing during discharge and charge cycles, low and high voltage cutoff, short circuit protection, and high-temperature protection. These features ensure that your battery is safe, reliable, and has a longer lifespan.

## BLUETOOTH / NORSK GUARDIAN™ APP

Norsk Lithium LiFePO<sub>4</sub> Deep Cycle Batteries are equipped with Bluetooth™ technology. This enables you to connect to the Norsk Guardian™ App which is available for free download on the Apple App Store and Google PlayStore. With Norsk Guardian, you can connect to multiple marine batteries simultaneously, create groups with custom names, monitor their health and charging status, and receive real-time alerts to your phone. Download the app today and enjoy complete confidence on and off the water.



## BATTERY STORAGE & MAINTENANCE

To prolong the life of your Norsk LiFePO<sub>4</sub> Deep Cycle Battery, it is essential to store it properly. Store your battery in a cool, dry place away from direct sunlight and heat sources. If you plan to store your battery for an extended period, we recommend charging the battery to 50% capacity and disconnecting it from the device it is powering to avoid a parasitic draw and recharge it every 6-12 months.

## WARRANTY

Norsk Lithium offers a 10-year warranty on all of our Norsk LiFePO<sub>4</sub> Deep Cycle Batteries. This warranty covers manufacturing defects and does not cover damage caused by charging with an incompatible charger, misuse, abuse, or neglect. Please visit the warranty page on our website for more information on our warranty terms and conditions.

## CONNECT WITH US ON SOCIAL MEDIA!

For the latest news and product releases from Norsk follow us on Facebook and Instagram (**NorskLithium**). You can also share your fishing experiences with us by tagging Norsk Lithium and using the hashtag **#NorskLithium** on your post. For the latest product videos, comparison videos and how-to videos, subscribe to our YouTube Channel: (**[www.youtube.com/@NorskLithium](http://www.youtube.com/@NorskLithium)**).



## NORSK LITHIUM, INC.

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1-831-232-9063

## CUSTOMER SERVICE HOURS

Monday–Friday: 9:00 am–5:00 pm

