

Battery Charging & Troubleshooting

eBike Battery & Charging Instructions + Troubleshooting

- 1. Reference the Assembly Instructions, sections **Battery Installation** and **Battery Charger**.
- 2. Slide the Battery into the Rear Rack Cage Battery Holder.
- 3. Lock the Battery with the keys provided
- 4. Turn the red on/off switch to on " | " located under the battery. The off position is marked as " O "
- 5. Go to the display on your handlebar and press "M" for **2 seconds** and wait until the display turns on.
- 6. The display will show you the batteries current charge.
- 7. We suggest **charging the battery fully** before taking your first ride.
- 8. Make sure to check that the **battery**, **charger**, **and hub all match to the information below**.
 - a. Check the hub for the voltage, voltage on the serial number sticker on the battery, and the charger voltage output.
 - i. 500W Bicycle: Hub **48V** | Battery **48V** | Charger **54.6V 2.0**
 - ii. 250W Bicycle: Hub 36V | Battery 36V | Charger 42V 2.0
 - b. If they don't match, please contact sixthreezero Customer Service Department (310) 982-2877 or theteam@sixthreezero.com.
- 9. Plug the DC cable (non-outlet connection) into the hollow entry port of the Charger.
- 10. Plug the **DC cable** into your **outlet**.
 - a. The charger will turn on and show a **Red Light**.
- 11. Plug the charging cable into your battery.
 - a. If the battery indicator stays **RED**, it is **charging**.
 - b. If it turns **GREEN**, your **battery is fully charged and the charger can be removed**.
- 12. If you don't see a **RED** or **GREEN** light once you follow the steps above, **change to a different outlet**.
 - a. Check to see if the charger turns on. It might just be your outlet.
 - b. Check to see if the charging cable is fully inserted into the batteries charging port.
- 13. If you continue to have issues with your battery, please contact sixthreezero Customer Service Department (310) 982-2877 or theteam@sixthreezero.com.

BATTERY INSTALLATION

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To be able to use the electric motor, the battery must be mounted by sliding the fully charged battery forward into the battery holder. Follow the guides on the rear rack and battery for proper installation.







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The battery automatically locks into the bike when fully inserted in the battery holder. The locking mechanism unlocks when the key is turned to the open position, allowing the battery to slide out.

The battery must be locked when riding or it may fall out. The key does not have to be in to operate the bike. Store the keys in a safe place.

UNLOCKED



LOCKED



03

The red on/off switch is located on the bottom of battery. After fully inserting the battery into place, turn the battery on by flipping the switch to the "|" position. Be sure to turn off the power when the bicycle is not in use or is recharging by clicking the battery switch to the off "O" position.



ON



OFF





0 1

Included with your new sixthreezero is a lithium ion battery, along with a charger, which plugs into a standard household electric outlet.

A lithium ion battery requires specially designed chargers. You should never charge your battery with a substitute charger that is not designed for this use. Use of an unsuitable charger to charge a lithium ion battery could result in over-heating, fire or even explosion.

Our batteries contain a charger manual from our supplier. Reference the booklet for additional information.







RECHARGING THE BATTERY

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The battery may be charged while on the bike or removed and charged at a location away from the bicycle. The battery is easily removed by turning the key lock to the open/unlock position, grasping the underside of the battery, and sliding the battery out of the downtube by using the bottom side as a hinge.

To charge the battery, plug the charger into an AC outlet. The LED indication light should be green showing the charger is working normally. Then plug the charger into the charging port located on the bottom or side of the battery by sliding open the charger cover.

The charger will charge a fully depleted battery in 4—5 hours. The indicator light on the charger will be red/orange when battery is charging and will turn green when fully charged.

If the battery will not be used for an extended period of time, charge it fully and recharge it every 2 months. Store it in a cool, dry place. Your battery is engineered with precision for high capacity and a long, useful life. Do not use it to power other electrical devices. Improper use of the battery will damage the battery and shorten its useful life and may cause fire or an explosion. If you experience unusual sounds or odors coming from the charger or the battery, unplug charger immediately and contact sixthreezero customer service.

CAUTION

Avoid subjecting the battery to high temperatures, such as directly under the sun, for prolonged periods of time. Recharge the battery before it becomes completely discharged. Completely discharging will reduce the numbers of recharging cycles during the battery's life and limit the capacity. Never store the battery in a discharged state. After much use, your battery's charge-holding capacity will decrease. If you find that your battery does not hold a sufficient charge, you should contact your local dealer to order a replacement.

NOTE

- Recharge battery after every use.
- Do not disassemble or alter the battery or battery charger.
- Do not place the battery near fire or corrosive substances.
- Do not allow any liquids on or inside the battery/charger.
- Do not expose the battery/ charger to extreme weather conditions.
- Do not operate the battery/ charger if damaged.
- Recharge the battery only with a charger specified by the manufacturer.
- Do not use the battery/charger for any use other than its intended purpose.
- Only use the battery/charger on sixthreezero approved products.

DISPLAY + PEDAL ASSIST MODE



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Your sixthreezero is equipped with an LCD display that monitors pedal assist, speed, odometer, trip distance, riding time, and battery energy level. To turn the meter on, make sure the battery is fully inserted into the sixthreezero and the on/off switch is in the on "|" position.

Press the button labeled M (center button) on the three button selector located near the left grip on the handlebars to turn the display on. You can adjust the pedal assist power level to have more power by hitting the [+] button (third button) and can move to a lower level power by hitting the [-] button (fourth button).

When not riding the bike, you can turn off the display by holding down the power button (top button) for several seconds.

THROTTLE OVERDRIVE

Full power on demand.
Overrides pedal assistance

FREE RIDE

Pedal just like a normal bicycle with all the display features active.

CADENCE MODE

Reaches designated speeds while pedaling.

HAND THROTTLE CONTROL



01

When the pedal assist mode is set to "0", the pedal assist and throttle function(s) do not engage. When the pedal assist mode is set to "6" the pedal assist function does not engage and the throttle will accelerate the bike forward.

The throttle control is operated on the right hand side. You control the throttle by twisting it from its resting position. The farther the throttle switch is from its resting position, the more power is delivered to the motor to accelerate the bicycle. When you want to slow down, you simply release the throttle and let it return to its resting position and simultaneously apply the brakes.

The sixthreezero also comes with a Throttle Override function which allows the throttle to work in pedal assist modes.



TROUBLESHOOTING

0 1

If your sixthreezero is not working, check the Quick Disconnect fittings to make sure they did not come loose or unplugged.

There are 4 total colored Quick Disconnect fittings to check:







02

Simply unwrap the black spiral wire covering until the Quick Disconnect fitting is exposed. If necessary, un-thread and re-thread the Quick Disconnect fitting(s).

Make sure that the battery is inserted fully into the bicycle. If it is not, the bicycle will receive no power causing all of the electronics to not turn on.

For any additional troubleshooting help, please feel free to contact our team at:

(310) 982-2877 theteam@sixthreezero.com

SURVEY

Tell us about your assembly experience. If you have/ had any trouble at all or didn't, and would like to leave feedback and help us improve our assembly instructions you can.

Type this URL into your browser:

goo.gl/6enZji

WET WEATHER

WARNING

Wet weather impairs traction, braking and visibility, both for the bicyclist and for other vehicles sharing the road. The risk of accident is dramatically increased in wet conditions.

Under wet conditions the stopping power of your brakes (as well as the brakes of other vehicles sharing the road) is dramatically reduced and your tires don't grip nearly as well. This makes it harder to control speed and easier to lose control. To make sure that you can slow down and stop safely in wet conditions, ride more gradually than you would under normal, dry conditions.

NIGHT RIDING

WARNING

Riding a bicycle at night is many times more dangerous than riding during the day. Therefore, children should never ride at dawn, at dusk, or in the dark. Adults should not ride at dawn, at dusk, or at night unless it is absolutely necessary.

Riding at dawn, at dusk, at night or at other times of poor visibility without a bicycle lighting system which meets local and State laws and without reflectors is dangerous and can result in serious injury or death.

Even if you have excellent night vision, many of the people with whom you're sharing the road do not. A bicyclist is very difficult for motorists and pedestrians to see at dawn, at dusk, at night or at other times of poor visibility. If you must ride under these conditions check and be sure you comply with all local laws about night riding: follow the rules of the road and of the trail even more carefully; and make sure to take the additional precautions:

Before riding at dawn, at dusk, at night or at other times of poor visibility, take the following steps to make yourself more visible:

- Make sure that your bicycle is equipped with correctly positioned and securely mounted reflectors.
- Purchase and install an adequate battery or generator powered headl and tail light.
- Wear light colored, reflective clothing and accessories, such as a refelctive vest, reflective arm and leg bands, reflective stripes on your helmet, flashing lights or any reflective device or light source that moves will help you get the attention of approaching motorists, pedestrians, and other traffic.
- Make sure your clothing or anything you may be carrying on the bicycle does not obstruct a reflector or light.

- Ride slowly.
- Avoid areas of heavy traffic, dark areas, and roads with speed limits over 35mph.
- Avoid road hazards.
- If possible, ride on routes already familiar to you.

FAQ

Q. How long does it take to fully charge the battery?

A. Depends on the state of discharge but around 4-5 hours if completely discharged.

Q. What are the running costs for an electric bike?

A. You will have no worries about rising fuel prices at the pumps. All our electrically powered vehicles use household electricity. The average cost per full charge is about 10 cents per charge. If you charge the battery every single day for a year, it would cost you about \$35 per year.

Q. Do I have to wait for the battery to empty before I charge it?

A. No. The batteries we use are Lithium-ion batteries which do not suffer from 'memory effect'. This means that there is no need to discharge a battery completely before you recharge it again. You can partially recharge the battery at any time without reducing its voltage or lifespan. We recommend recharging the battery after every use, regardless of how far you rode.

Q. Do I need a driver's license, insurance or registration?

A. No, you don't. According to Federal law, electric bikes that are under 750 watts are classified as bicycles. For all intents and purposes, it's simply a bicycle that requires very little pedaling to travel 20 MPH (32 Km/H), saving you time and hassle. Check your local state laws for requirements.

Q. Do I need to pedal an electric bike?

A. No, but it helps to prolong battery life. The motor on our bikes is both throttle and pedal assist controlled, allowing you to decide how much power you desire. Have you ever tried to cycle when speeding downhill on your normal bicycle? It's just like that. The motor is propelling you faster than you're cycling so there is pretty much no resistance, it's merely a formality!

Q. What happens if I get a flat tire?

A. The tires on our bikes are the same as conventional bicycles. Simply replace the tube with a tube of the right size and inflate it. No special tires or parts will be needed.

Q. What happens when I use the brakes under powered assistance?

A. All our bikes are equipped with brake levers that have a built-in safety switch that automatically cuts off the motor power under normal braking conditions. This not only ensures a safe un-powered stopping feature, but also protects the motor under braking conditions so that it isn't working against the brakes.

Q. How far will a Sixthreezero take me?

A. Cycling with pedal assist along a straight road under normal conditions, the standard battery should last 15-30 miles (24 - 48 kilometers). Cycling up steep hills will take more energy out of the battery and factors such as road surface, wind resistance, weight of the rider and tire pressure will affect your range.

Q. Can I put a Sixthreezero on a bike rack?

A. Each bike rear rack has a specific weight limit. Our eBikes weigh a total of 70lbs. Make sure that the bike rack can hold the weight of a Sixthreezero. We advise taking the battery off to make it easier to lift and to keep safe.

Q. Can I ride up hills and against strong headwinds on my sixthreezero electric bike?

A. Yes. One of the main advantages of cycling on a Sixthreezero electric bicycle is that it literally flattens hills and increases your average speed when tackling inclines and headwinds. You will be amazed at the relative ease that your new Sixthreezero electric bike can tackle some of the most arduous journeys.

Q. How do I know when the battery is low?

A. The bicycles have easily visible indicators located on the meters that show the amount of juice left. If it is getting low and you don't think you will make it to your destination, you can switch off your motor and keep it just for the difficult bits.

Q. Can I put a child's trailer on a Sixthreezero?

A. Yes, you can certainly add a trailer to your Sixthreezero.

Contact us for child trailer recommendations.

WARRANTY

What is covered and for how long?

For two (2) years after the date of purchase by the original retail purchaser, Sixthreezero warrants to the original retail purchaser that Sixthreezero's Electric Bike ("Bike") and Bike battery ("Battery") (individually, "Product" and collectively, "Products") will be free from defects in material and workmanship under normal use and service. However, this Limited Warranty's coverage for the Battery is limited to defects in material and workmanship in a Battery that has been charged no more than 500 times, and which result in the Battery's leakage or failure to hold a charge.

What is not covered?

This Limited Warranty does not cover: (a) defects or damage resulting from accident, abuse, misuse, abnormal use (including but not limited to stunt riding, racing or other similar activities not consistent with the intended use of the Products), improper storage, abnormal exposure to liquid, chemicals, moisture, abrasives, sand or dirt, neglect, or abnormal physical,

electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by Sixthreezero; (c) Product that has the serial number or the barcode removed, defaced, damaged, altered or made illegible; (d) ordinary wear and tear; (e) defects or damage to the Products caused by the use of accessories, products. or ancillary/ peripheral equipment not furnished or approved by Sixthreezero with the Products; (f) defects or damage caused by assembly, testing, operation, maintenance, installation, service, repair, or adjustment in a manner that varies from Assembly Instructions & Owners Manual; (g) defects or damage resulting from external causes such as collision, fire, flooding, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse or improper use of any electrical source; or (h) Products used or purchased outside the U.S.

The Limited Warranty does not cover defects or damage: (i) caused by charging by a battery charger not intended or appropriate for use with the Battery or the improper use of a battery charger; (ii) where any of the seals on the Battery are broken or show evidence of tampering; (iii) where the Battery has been used in equipment other than the Bike for which it is specified; or (iv) in a Battery that has been charged more than 500 times.

What are Sixthreezero's obligations?

During the two-year Limited Warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, Sixthreezero will have a qualified technician evaluate the returned Product, and:

BATTERIES:

If the technician determines the claimed defect in the Battery is covered under the terms of the Limited Warranty, Sixthreezero will replace the Battery without charge for the replacement battery. All such costs will be the sole responsibility of the consumer. The replacement battery will be covered by the Limited Warranty for a period equal to the remainder of the original Limited Warranty on the original Battery or for ninety (90) days from the date of the replacement, whichever is longer. Any replaced Battery and removed Battery components will become the property of Sixthreezero. Except to any extent expressly required by applicable law, transfer or assignment of this Limited Warranty is prohibited.

BICYCLE:

If the technician determines the claimed defect in the Bike is covered under the terms of the Limited Warranty, Sixthreezero will repair or replace the Bike, at Sixthreezero's sole option, without charge, and will reimburse the original retail purchaser for shipping. at standard ground shipping rates, and any insurance costs incurred as a result of returning the Bike to Sixthreezero for warranty work. Sixthreezero may. in Sixthreezero's sole discretion, use new, rebuilt or reconditioned parts or components when repairing the Bike, or may replace the Bike with a new, rebuilt or reconditioned Sixthreezero Electric Bike of the same or equivalent model. The repaired/replaced Bike will be covered by the Limited Warranty for a period equal to the remainder of the original Limited Warranty on the original Bike or for ninety (90) days, whichever is longer. Any replaced Bike and Bike components will become the property of Sixthreezero. Except to any extent expressly required by applicable law, transfer or assignment of this Limited Warranty is prohibited.

How do I obtain limited warranty service?

BATTERIES:

To obtain service under this Limited Warranty, you must submit to Sixthreezero a Limited Warranty claim that includes the following material and information: (i) the original sales receipt or proof of purchase of the Product showing the original date of purchase, the serial number of the Product and the seller's name and address; (ii) a Warranty Product Return Authorization Number ("WPRAN"); and (iii) pictures of the Battery, including a picture of each side of the battery, one of which must show the Battery's serial number. To obtain a WPRAN and/or obtain assistance on where to deliver the documentation please contact Sixthreezero Customer Care at (310) 982-2877 or by emailing theteam@sixthreezero.com.

BICYCLE:

To obtain service under this Limited Warranty, you must remove the Battery from the Bike and return the Bike to an authorized Sixthreezero facility, in an adequate container for shipping, accompanied by: (i) the original sales receipt or other proof of Purchase showing the original date of purchase, the serial number of the Bike and the seller's name and address; (ii) a WPRAN; and (iii) a prepaid return shipping label which provides for the return of the Bike to the original retail purchaser and insurance during the transport. To obtain assistance on where to deliver the Bike and obtain a WPRAN, please at (310) 982-2877 or by emailing theteam@sixthreezero.com. If Sixthreezero determines that any Product is not covered by this Limited Warranty, you will be responsible for paying for all parts, shipping, insurance and labor charges for the repair and/or return of such Product.

What are the limits on Sixthreezero's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SIXTHREEZERO'S RESPONSIBILITIES AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT WILL SIXTHREEZERO BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION. COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES: OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF SIXTHREEZERO HAD REASON TO BELIEVE SUCH DAMAGES WERE POSSIBLE. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SIXTHREEZERO MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY EQUIPMENT OR SOFTWARE USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH EQUIPMENT WITH THE PRODUCT. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY EQUIPMENT AND SOFTWARE RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY EQUIPMENT AND SOFTWARE.

Nothing in the Assembly Instructions & Owners Manual or Product information, instructions or advertisements is intended to create or be construed as an express warranty of any kind with respect to any Product. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SIXTHREEZERO regarding the Products or this Limited Warranty. This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPLITES WITH SIXTHREEZERO ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, VALUE, CONDITION OR PERFORMANCE OF THE PRODUCTS MUST BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY WITH THE SOLE EXCEPTION THAT NOTHING IN THIS PROVISION WILL PROHIBIT ANY SUCH DISPUTE FROM BEING RESOLVED AS AN INDIVIDUAL CLAIM IN A SMALL CLAIMS COURT. Any such dispute, whether arbitrated or brought in small claims court, will not be combined or consolidated with a dispute involving any other person's or entity's product or claim, and specifically, without limitation of the foregoing, must not under any circumstances proceed as part of a class action or collective action. It is the express intent of the parties that any and all disputes will be resolved on an individual basis only, and that the arbitrator will not have the power to award class or collective relief or to determine or order that the dispute should proceed as a class or collective

action, whether in arbitration or in any other forum or venue. The arbitration will be conducted before a single arbitrator, whose award must not exceed, in form or amount, the relief allowed by the applicable law. The arbitration will be conducted according to the American Arbitration Association ("AAA") rules and procedures applicable to consumer disputes (which currently may be found at www.adr.org) or, if AAA consumer dispute rules and procedures cannot, for whatever reason, be applied, then according to JAMS consumer arbitration rules and procedures or other arbitration rules and procedures appropriate for use in consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act, and the substantive laws of the State of California, without reference to its choice of laws principles, will otherwise govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator will decide all issues of interpretation and application of this arbitration provision and the Limited Warranty. Judgment may be entered on the arbitrator's final award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SIXTHREEZERO'S employees, representatives and affiliates if any such claim arises from a Product's sale, value, condition or performance.

The original retail purchaser may opt out of this dispute resolution procedure by, no later than thirty (30) calendar days from the date of the original retail purchaser's purchase of the Product, (1) sending notice by e-mail to optout@SIXTHREEZERO.com, with the subject line: "Arbitration Opt Out." The opt-out email must include (a) the original retail purchaser's name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the Product serial number (the Product serial number can be found (i) on the Product box; (ii) for Bikes, on the Bike stamped into the bottom of the frame below the bottom bracket; (iii) for Batteries, on a label on the Battery imprinted below a barcode on a metallic sticker; and/or (iv) for Batteries, engraved onto the metal Battery case); or (2) contacting

us and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way.

Severability.

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

SIXTHREEZERO Torrance, California