

CITI 350
CITI 500
CITI PRO
R48
R48 PRO
A2
A2S
FB48
RX36

2022 OWNER'S MANUAL

Velec 2022 : Owner's Manual

velec[™]

**IMPORTANT - PLEASE READ THE MANUAL BEFORE
USING YOUR ELECTRICALLY ASSISTED BICYCLE**

Velec inc.
www.velec.ca in Canada
www.velecEBIKE.com in the USA
1355, rue René-Descartes
Saint-Bruno-de-Montarville (Quebec) J3V 0B7
info@velec.ca

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CONGRATULATIONS ON YOUR RECENT PURCHASE OF A VELEC ELECTRIC BICYCLE.

Light, efficient and fun!

Whether you choose to pedal normally or use electric assistance as you pedal or to have your bike travel under electrical power alone, you can be sure that as you ride your Velec, you will enjoy all the quality features that make it the number one electric bicycle.

We strongly recommend you purchase your Velec electric bike at your local Velec retailer. If there is no Velec dealer in your area, please contact us at info@velec.ca

For any warranty repair, you must go to the retailer who sold you your Velec. If you go to another retailer, labor charges will apply.

WEARING A HELMET IS MANDATORY !

The Velec logo is displayed in a stylized, lowercase font with a white outline, set against a black background that tapers to a point on the right side.

YOU ARE NOW PART OF THE NEW GENERATION OF VELEC ELECTRIC BICYCLE CUSTOMERS.

Important: This manual contains information regarding the safe operation of your electric bicycle. Please be sure to read and fully understand all instructions in this manual before using your electric bicycle. Non-compliance with these instructions could cause damage to your electric bicycle or its components and improper use and/or operation could cause injuries or even death.

This manual was prepared to show you how to take full advantage of your Velec bicycle. It contains the latest product information and available equipment characteristics, and will help you to operate it correctly.

Velec Inc. reserves the right to make changes to this manual at any time by using different pictures or instructions.

If you encounter a problem while using your Velec electric bicycle, please communicate with your Velec certified dealer.

Finally, we invite you to stay informed about all the latest electric bicycles offered by Velec Inc. by visiting our website regularly: www.velec.ca in Canada or www.velecEBIKE.com in the USA.

DEALER

Name _____

Address _____

Telephone _____

REFERENCES

Model Name _____

Purchase Date _____

Bicycle Serial No _____

Battery A Serial No _____

Battery B Serial No _____

OWNER

Name _____

Address _____

Telephone _____

E-mail _____

ADDITIONAL INFORMATION



BATTERY WARRANTY

Name of the model _____

Serial number of battery A _____

Serial number of battery B _____

End of warranty date _____

To register your electric bicycle, please go to :

CANADA: WWW.VELEC.CA/EN/REGISTER

USA: WWW.VELECEBIKE.COM/US/REGISTER

Velec inc.

www.velec.ca in Canada

www.velecBIKE.com in the USA

1355, rue René-Descartes

Saint-Bruno-de-Montarville (Québec) J3V 0B7

info@velec.ca

You have now purchased a Velec bicycle. Any questions you may have, should be answered in this User Guide. If not, you can always contact a trained dealer from your place of purchase.

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APPLICATION

The Velec Company Inc. or a Velec affiliate (thereafter referred to as 'VELEC') notifies the owner or the user (thereafter known as 'Owner') of an Electrically-Assisted Bicycle (thereafter referred to as 'EAB') of the Velec disclaimer of responsibility and of the risks and danger of the EAB and of the means to protect against them following the purchase of the EAB from an authorized VELEC dealer.

COMPLIANCE OF PRODUCTS TO APPLICABLE LEGISLATION

VELEC warrants its EAB conform to laws and norms applicable in the Province of Quebec. For any purchase with a view to using the EAB outside the Province of Quebec, the Owner must personally verify the details of the legislation effective in the country, state, territory or province concerned, for the applicable norms, declarations, interdictions and other requirements of said legislations. The liability of VELEC shall not be engaged in case of non-compliance with the legislation of the country, the state, the territory or the province where the product is delivered and/or utilized, it is the owner's responsibility to check with local authorities.

SAFETY PRECAUTIONS DURING USE

VELEC recommends that the Owner operate the EAB and ride it on a closed circuit course for a duration of between six (6) and twelve (12) hours, depending on the user's level of experience, to allow the Owner to become familiar with the operation of the EAB, to develop sufficient knowledge and ability and to become so familiar with it that the user will be provided with a level of safety that is to be expected. EABs were not designed, developed, distributed or sold for professional use or to be used commercially, nor to be used for stunts, ramp acrobatics, jumps, aggressive riding or riding in excessively rigorous conditions such as: winter conditions (with the bike in contact with ice, water, salt, sand and calcium) and tropical conditions, (contact with sea salt or riding with heavy loads), or for any other similar activities.

NOTICE TO THE OWNER

Consequently, non-compliance with these instructions and recommendations renders VELEC warranties null and void and exonerates VELEC from any liability toward the Owner.

INFORMATION REGARDING RISKS AND DANGERS AND WAYS TO GUARD AGAINST THEM

In order to minimize all risks and dangers from electrocution and to guard against any fire, burn, damage, prejudice, injury or injury that could cause death and that could result directly or indirectly from the battery of the EAB, the general precautions regarding electrical devices are applicable.

The slightest electrical discharge can cause serious injuries and you must read all the instructions with care. Without limiting the generality of the preceding, and in addition to the instructions in the Owner's Manual, VELEC recommends that you never touch hot surfaces, use only the battery and the original charger recommended by VELEC, always use the specific charging equipment to charge the battery, never expose the battery or the charger to heat, never dismantle or modify the battery or the charger, do not expose the battery or the charger to liquids, do not use a damaged battery or charger, stop charging the battery if the charge is incomplete at the end of the theoretical charging time, stop use of the battery and charger if they emit an unusual odour, become hotter than usual or if something seems abnormal, never leave the battery and charger where they can be reached by children, and here we urge that extreme vigilance is necessary in this regard, never touch the battery or charger with wet hands, never turn on the battery or charger if they have damaged cables or tie downs or if the battery or charger have any kind of malfunction or have been damaged in any way, always take the battery and charger back to the dealer for maintenance, examination, repair or setting, always make sure to correctly connect the charger to the battery and the charger only to alternating current of 110V A.C., do not use a battery or charger if they are dusty, do not use the charger with other than the specified current, do personally check the battery and charger for any damage, do not leave the battery and charger near an electrical heating appliance, a gas or microwave appliance, do not touch the charger or the battery for too long during

battery charging, do not position the charger or the battery in an unstable manner and do not cover the battery or the charger or hang anything from them and never use the battery and charger for any use other than the one for which they have been designed.

In order to minimize all risks and dangers and to guard against any damage, prejudice, injury and injury that could cause death, VELEC recommends to the Owner to ride carefully on bicycle paths and not on public roads.

Even if the local competent authorities allow riding on public roads, the Owner will do so at his or her risk and peril. In addition to the general rules that apply to riding on bicycle paths or public roads, the Highway Safety Code, L.R.Q. chap. C-24.2 contains special provisions for users of EAB and these must be followed to protect against all risks and dangers that are inherent to the use of an EAB.

The EAB must be checked periodically by your dealer as part of regular maintenance and to spot stress and/or potential failures including but without limiting the generality of the preceding, cracks, deformations, corrosion, paint chipping dents and for any other indications of potential problems, improper use or abuse. These periodic inspections are proven essential safety measures that can prevent accidents and injuries to the Owner.

Negligence or non-compliance with these regulations can cause serious injuries to the Owner and may, in certain cases, cause death. Consequently, non-compliance with these instructions and recommendations renders the warranties given by VELEC null and void and exonerates VELEC from all liability toward the Owner.

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GENERAL DISCLAIMER OF RESPONSIBILITY

VELEC shall not be responsible for damages of any kind, whether material, immaterial or corporal, sustained by the Owner including loss of time, loss of income, trouble and inconvenience that might result from:

- Improper operation of the EAB;
- Non-compliance with the instructions and recommendations contained in the Notice to the Owner and in the Owner's Manual;
- Any handling-related incident whether involving error or not;
- Any abnormal use or use which does not conform to the EAB's designed purpose.
- Any cause of exterior origin.

VELEC advises the Owner that using the EAB entails inherent risks and dangers that the Owner agrees to assume completely whatever their nature. The Owner accepts to hold VELEC harmless from any liability and to solely assume liability for any damage of whatever nature that he might sustain or that the Owner might cause to a third party.

The Owner renounces any claim and any procedure, of whatever nature, against VELEC, in the event of losses, damages or injuries of any kind that he or she might sustain while using the EAB and this applies before, during and after said use.

APPLICABLE LAWS AND COMPETENT TRIBUNALS

All disputes or disagreements that might arise following the purchase of the EAB from a dealer shall be subject to the laws that apply in the Province of Quebec. Parties shall elect domicile in the Montréal Judicial District, Province of Quebec, for the hearing of any claim pertaining to interpretation, application, conclusion, terms, validity and effects of the warranty.

APPLICATION

By the present, the Velec Company Inc. or a Velec affiliate (hereafter referred to as 'VELEC') gives notice to the owner or the user (hereafter referred to as 'Owner') of an Electrically Assisted Bicycle (hereafter referred to as 'EAB') of the provisions of the limited warranty that VELEC offers the Owner following the purchase of the EAB from an authorized VELEC dealer.

WARRANTY AGAINST HIDDEN DEFECTS

VELEC warrants to the owner that every EAB, when new, is exempt from hidden defects. Should the Owner discover what he believes is a hidden defect, he must notify VELEC in writing within three (3) days from the moment when the Owner first becomes aware of said defect in order to give VELEC the opportunity to correct said defect if possible, at the sole discretion of VELEC and provided VELEC can establish said hidden defect is present before the expiration of the warranty.

WARRANTY AGAINST APPARENT ANOMALY

The Owner must verify the apparent condition, the quantity and the contents of the EAB following the purchase and, on the same day, must immediately proceed with a complete inspection of the EAB with help from the Owner's Manual. If there is damage, if a part is missing or is damaged, if the EAB is broken, or if there are other problems of the same kind (hereafter known as: 'Apparent anomaly'), the Owner must contact the dealer immediately and notify VELEC within three (3) days from the date of purchase from the dealer by registered letter, a receipt for which must be kept for reference. Should the Owner not advise of the Apparent anomaly within the prescribed time period, VELEC shall not be responsible for any prejudice suffered by the Owner due to the Apparent anomaly and the EAB shall be deemed free of any Apparent anomaly when purchased and the Owner deemed satisfied with the purchase.

VELEC LIMITED WARRANTY

PROPULSION SYSTEM WARRANTY

VELEC warrants to the Owner that the propulsion system included with the EAB, when new, is in good working condition. This warranty shall expire twenty-four (24) months following the purchase date of the EAB from the dealer. The propulsion system is defined as including the control display, the accelerator components, the motor, the wiring cluster parts and the electric cables.

FRAME

VELEC warrants to the Owner that the frame of the EAB, when new, is free from defects in materials and workmanship. This warranty shall expire thirty-six (36) months following the purchase date of the EAB from the dealer. The bicycle's frame excludes the battery, all the electric components, the paint and finish, the front fork, the wheels, the tires, the drive train, the brakes, the saddle post, the handlebar and stem and any suspension component or part.

USEFUL LIFE WARRANTY

As for any other consumer good, the EAB has a useful life cycle. The length of the useful life cycle can vary depending on the criteria chosen for workmanship and materials of the EAB as well as the kind of use and frequency to which the EAB has been subjected. However, VELEC advises the Owner that the maintenance and upkeep performed on the EAB during its useful life cycle are very important as a means of prolonging the useful life cycle of the EAB.

The life expectancy of a Lithium battery is 3 to 5 years. If the battery has not been used for a prolonged period of time (more than 6 months), it is possible that the battery loses its capacities or no longer works. Make sure to charge your battery and to use your electric bicycle on a regular basis. Charging your battery on a regular basis is not enough to maintain good battery health, it must be used on the electric bicycle to maximise its longevity. Consequently, VELEC advises the Owner that the EAB must be checked periodically by the dealer as general maintenance of the EAB and as a means of detecting stress and/or potential failures including, but without limiting the generality of the preceding, cracks, deformations, corrosion, paint chipping, dents and any other indications of potential problems, improper use or abuse. These regular verifications are important safety checks and they are essential in helping to prevent accidents, bodily injury and premature reduction of the useful product life cycle of the EAB.

MERCHANDISE RETURN POLICY DURING WARRANTY PERIOD

If a defect occurs during the warranty period, the parts (batteries, controller, or any other parts of the bicycle) will have to be shipped to Velec directly from an authorized Velec retailer and, following repairs, Velec shall ship the parts back without charge to the retailer exclusively. We will return the parts under warranty only at the dealer who sold you your electric bicycle.

If the shipping address is different than the nearest Velec retailer's the customer shall have to pay shipping costs both to and from said different address.

VALIDITY OF THE LIMITED WARRANTY

The VELEC Limited Warranty is conditional to the EAB having been handled and maintained adequately by the Owner in accordance with the Notices to the Owner and the instructions printed in the Owner's Manual and on the EAB having been stored in appropriate conditions and at an adequate temperature given the specific characteristics of the EAB. To be able to benefit from the terms and conditions of the Limited Warranty offered by VELEC, the Owner must fill a VELEC Limited Warranty form (which can be found either in the Owner's Manual on page 5, at the dealer's or at the Velec Internet site at www.velec.ca in Canada or www.velecEBIKE.com in USA) and return it to your dealer with a copy of the invoice obtained at the time of purchase to VELEC within thirty (30) days of the purchase date.

LIMITED WARRANTY

Without limiting the generality of the preceding, the VELEC Limited Warranty excludes components of the EAB that are damaged by an error or negligence in the maintenance of the EAB and its components or resulting from a use that does not conform to the Notice to the Owner and to the VELEC Owner's Manual by the Owner. With the exception of the parts specifically mentioned in the present Limited Warranty, the purchase of the EAB is made at the risk and peril of the Owner.

The limited warranty against manufacturing defects of non-electrical components of the bicycle, including but not limited to chain, brakes, tires, etc. does not apply to normal wear and tear.

DURING THE WARRANTY PERIOD, SHOULD THERE BE A PROBLEM WITH YOUR EAB, YOU SHOULD HAVE REPAIRS MADE BY AN AUTHORIZED VELEC RETAILER IN ORDER TO CONSERVE YOUR RIGHTS UNDER THE WARRANTY.

Example: For a rear wheel flat or tire replacement, the rear wheel will have to be removed with the motor as well as all connections extending to the controller. Only a Velec-trained person is qualified to perform this work without causing damages. It is thus strongly recommended that the Owner contact an authorized Velec representative to have the work performed. Should this not be done, the Owner shall not hold the company liable for any damages caused by an improper procedure by a person who is unqualified and not authorized by Velec.

THE WARRANTY IS NON TRANSFERRABLE

VELEC warrants to the owner that the battery included with the EAB, when new, is in good working order. If a VELEC electric bicycle is purchased in the year 2022 with a battery of the same year, the warranty on the battery shall expire twenty-four (24) months following the purchase date. **MAKE SURE THAT THE BATTERY WAS NEW WHEN PURCHASED. THE YEAR OF THE BATTERY IS WITHIN THE SERIAL NUMBER.**

THE BATTERY MUST BE CHARGED AT LEAST EVERY TWO MONTHS

SHOULD THESE INSTRUCTIONS NOT BE FOLLOWED, THERE IS A RISK OF BATTERY MALFUNCTION AND THIS WILL NOT BE COVERED BY THE LIMITED WARRANTY.

TRANSPORT CANADA REGULATIONS FOR THE PROVINCE OF QUEBEC* AND THE MARITIME PROVINCES

- The use of an approved bicycle safety helmet is mandatory at all times while riding an electrically-assisted bicycle.
- The minimum age for the legal right to ride on an electric bicycle or tricycle is 14 years.
- It is mandatory for persons aged 14 to 18 years to have a permit for mopeds and motorized scooters.
- A permit is not required for adults aged 18 and over.
- An electric bicycle or tricycle must be equipped with pedals and its power must not exceed 500W.
- The maximum speed on level ground allowed for an electric bicycle in its powered mode is 32 km/h.
- Riding an electric bicycle or tricycle is allowed everywhere bicycles are authorized.

* For use outside of the Province of Québec, the user must personally check the details of the legislation applicable to the country, state, territory or province concerned, whether for norms, declarations, interdictions and other requirements of such legislation.

REGULATIONS

ONTARIO REGULATIONS*

- The use of an approved bicycle safety helmet is mandatory at all times while riding an electrically-assisted bicycle.
- The minimum age for the legal right to ride on an electric bicycle is 16 years.
- An electric bicycle must be equipped with pedals and its power must not exceed 500W.
- The maximum speed on level ground allowed for an electric bicycle in its powered mode is 32 km/h.
- Riding an electric bicycle is allowed everywhere bicycles are authorized.

* For use outside of the Province of Ontario, the user must personally check the details of the legislation applicable to the country, state, territory or province concerned, whether for norms, declarations, interdictions and other requirements of such legislation.

BRITISH COLUMBIA REGULATIONS*, MAC (MOTION ASSISTED CYCLES)

- The use of an approved bicycle safety helmet is mandatory at all times while riding an electrically-assisted bicycle.
- The minimum age for the legal right to ride on an electric bicycle is 16 years.
- An electric bicycle must be equipped with pedals and its power must not exceed 500W.
- The maximum speed on level ground allowed for an electric bicycle in its powered mode is 32 km/h.
- Riding an electric bicycle is allowed everywhere bicycles are authorized.

* For use outside of the Province of British Columbia, the user must personally check the details of the legislation applicable to the country, state, territory or province concerned, whether for norms, declarations, interdictions and other requirements of such legislation.

USING AN ELECTRIC BICYCLE

As indicated in the Notice to the Owner, it is essential that you become familiar with the use of your Velec bicycle before riding it in traffic. You must get used to riding your electric vehicle in a controlled area that is away from traffic and various other obstacles that might be encountered during a bike ride.

It is strongly recommended that you get a good quality locking system for your Velec and that you ask your dealer about the best means of protecting against theft.

An annual inspection of your Velec together with maintenance and lubrication are suggested to optimize the vehicle's performance.

TIRES

Regularly check the pressure of your tires so that they have the correct pressure as suggested by the manufacturer (the recommended pressure is shown on the side of the tire).

Each pound of pressure below the recommended amount will significantly reduce your battery's range.

BATTERIES

To properly use, maintain and store your battery, it is important that you read the instructions contained in the 'Batteries' section of this manual.

When the time comes when your battery must be replaced, please be environmentally-conscious and take the battery back to the dealer, who will then forward it to a recycling facility. Velec is part of the Call2recycle program in Canada. All Velec batteries can be dropped into a Call2recycle drop-off location. To find the list visit www.call2recycle.ca

PRACTICAL SUGGESTIONS

The Velec logo is located at the bottom right of the page. It features the word "velec" in a lowercase, italicized, sans-serif font. The letters are white with a black outline. The logo is set against a black background that tapers to a point on the right side, resembling an arrowhead.



LITHIUM BATTERIES 36V AND 48V

Owner's Manual

BATTERY TYPES PER MODEL :

Citi 350, Citi 500 and Citi PRO

Integrated in-frame battery 36V/10Ah (360Wh)

Optional rear 36V/7.5Ah (270Wh) (for Citi 350 and Citi 500)

R48 and R48 PRO

Central battery : 48V/10Ah (480Wh) , 48V/14Ah (672Wh)

Optional rear battery for R48 only: 48V/7Ah (336Wh)

A2

Battery beneath seat : 36V/10Ah (360Wh), 36V/12.5Ah (450Wh), 36V/17.5Ah (630Wh)

A2S

Battery beneath seat : 36V/10Ah (360Wh), 36V/12.5Ah (450Wh)

FB48

Battery beneath seat : 48V/10Ah (480Wh), 48V/15Ah (720Wh)

RX36

Integrated in-frame battery : 36V/10.5Ah (378Wh)

IMPORTANT: For safety recommendations in the handling and use of the battery and charger, please refer to the Notice to the Owner. (Page 8)

All Velec electric bicycles have the most up-to-date battery technology that can be found on the market. We only use Lithium batteries in 36V or 48V.

BATTERY CHARGING PROCEDURE :

1. Switch the key to off position on the battery before charging it for models A2, A2S, FB48 and turn off the system on from the remote display for Citi 350, Citi 500, Citi PRO, RX36, R48, and R48 PRO.

2. Plug the charger to an 110V AC outlet (except for A2 and A2S models*.)

3. Connect the charger to the battery.

* To charge A2 and A2S models, connect the charger to the battery before plugging the charger in the outlet.

4. Always disconnect the charger from the battery first then disconnect the charger from 110V AC outlet. (Make sure you connect and disconnect the cables in the correct sequence as explained above).

A full charge may require up to 8 hours without interruption.

CAN THE BATTERY BE CHARGED AT ANY TIME OR IS IT BETTER TO WAIT UNTIL IT IS COMPLETELY DISCHARGED ?

You may charge your battery at any time, as this type of battery does not have any 'memory effect' and the charger is of the 'smart type'; it will stop charging by itself once the battery is fully charged. Nevertheless, it is essential to never leave the battery connected to the charger for more than 24 hours.

WHEN SHOULD THE BATTERY BE CHARGED ?

It is recommended to charge the battery as needed. For instance, if you only use your electric vehicle during brief periods of time and for short rides, the battery may be recharged following several such rides. If, on the other hand, you are planning a long ride of 40 km / 25 miles or more, it is recommended to fully charge your battery before leaving. Generally speaking, if the battery charge indicator on the handlebar or on the battery indicates there is less than a 50% charge remaining, charging of the battery is recommended.

WHAT SHOULD BE DONE IN WINTER TO MAINTAIN THE BATTERY IN GOOD CONDITION?

During the long periods when you will not be using your Velec, store the battery inside your house after charging it between 30 and 50% of itsd charge; afterward, you must charge your battery for two hours every two months.

It is imperative to never store a completely discharged battery. A lithium battery like Velec's will have a slight discharge even when not in use. Storing it when it has run out of energy will damage the cells. They could no longer be usable or at best lose part of their capacity. A battery damaged due to improper storage is not covered by the Velec warranty.

When storing your battery for a long period, more than a month for instance, it is recommended that you store it with a minimum state of charge between 30 and 50%. To determine the state of charge, you rely on the battery charge indicator on the console or at least 1 light other than red on the battery indicator. When storing the battery for more than a month, it is important not to leave the battery on the bike as certain electrical components could discharge the battery more quickly than expected and thus damage the cells. Every 2 months it is recommended to check the state of charge of the battery to make sure that it remains between 30 and 50% and to recharge it for about 15 minutes or until it has at least 30% charge.

Store the battery in a dry place with a temperature of approximately 20 degrees Celsius, and it is therefore not recommended to store your battery outdoors or in a shed or an unheated and humid space.

Always use the Lithium charger supplied by Velec with a Velec Lithium battery, otherwise your charger and your battery might be damaged.

HOW TO STORE YOUR BATTERY ?

Storing the battery should be in a dry area, where the temperature would be around 20° Celsius. It's not recommended to store the battery outside, or in a non-heated or humid area.

Do not expose it to extremes of heat (more than 40°C/105°F) or cold (-10°C/14°F) or to damp conditions (rain, water, garage, shed, hangar or unheated basement).

YOU MUST AVOID USING AN EAB DURING EXTREME CONDITIONS (FOR YOUR SAFETY AND FOR PROPER FUNCTIONING OF YOUR EAB). YOUR VELEC WILL FUNCTION BETTER AND LAST LONGER IF YOU AVOID SUBJECTING IT TO SALT, SAND, CALCIUM, WATER AND ICE. USING YOUR BICYCLE IN SUCH CONDITIONS WOULD ALSO VOID YOUR WARRANTY.

IMPORTANT

NEVER LEAVE THE BATTERY CONNECTED TO THE CHARGER AND TO AN ELECTRICAL POWER OUTLET FOR MORE THAN 24 HOURS. THIS COULD DAMAGE THE CHARGER AND THE BATTERY.

NEVER CONNECT YOUR BATTERY AND YOUR CHARGER TO AN ELECTRICAL OUTLET FOR AN OVERLY LONG PERIOD OF TIME (DURING THE WHOLE WINTER FOR INSTANCE). THIS WILL DAMAGE YOUR BATTERY AND YOUR CHARGER. THIS MUST ABSOLUTELY BE AVOIDED.

MINIMUM BATTERY MAINTENANCE SCHEDULE

It is essential that you look after battery maintenance at regular intervals. This is particularly important during the off season, when you are not using your bicycle for long periods.

36V Lithium Battery

Your battery must maintain a minimum voltage of 30 volts. If the voltage goes below 30 volts, the battery could become irrecoverably damaged and might no longer be able to accept a full charge.

48V Lithium Battery

Your battery must maintain a minimum voltage of 40 volts. If the voltage goes below 40 volts, the battery could become irrecoverably damaged and might no longer be able to accept a full charge.

The easiest way is to take note in your agenda or calendar.

IF THESE DIRECTIVES ARE NOT RESPECTED, YOUR BATTERY MIGHT STOP WORKING AND WILL NOT BE COVERED BY THE LIMITED WARRANTY.

VELEC ELECTRIC BICYCLE MAINTENANCE

BEFORE EVERY RIDE

Check your tire pressure. Recommended pressure to inflate your tires is indicated on the side of the tire. Prefer maximum pressure. This will give you more distance and autonomy with your battery and decrease the chances of flat tires.

Make sure the chain is clean and well lubricated. The products necessary for the maintenance of the chain are sold by your Velec retailer. Refer to them to tell you how to properly maintain the chain.

Check that the brakes work properly before each ride. That all components (handlebars, wheels, etc.) are properly tightened, and that there are no damaged parts.

FIRST 200 KMS

Return to your local Velec retailer to get your brakes and gears checked. Brand new bike parts will loosen a little during the first miles and it is completely normal.

EVERY YEAR

Go back to your local Velec retailer to have the bike checked, adjust the gears, check the wear of the chain and the brake pads.

IN CASE OF PUNCTURE

Velec's Citi, R48, RX36, and A2 series are equipped of reinforced, puncture resistant tires. Nevertheless, punctures are possible.

In the event of a tire puncture, for all Velec bikes, we recommend having the tube replaced by a certified Velec retailer. At the very least, it is possible to change a tube for a linear tube or to use a patch kit, which eliminates the need to remove the wheel. These tubes are generally useful for troubleshooting but it is recommended that you replace them with a standard tube at a Velec retailer as soon as possible.



*May differ from photograph

VELEC CITY 350

REMOVABLE INTEGRATED BATTERY

Choice of colors

Titanium or red

Sizes available :

Small Step Through, Medium Step Through, Medium Top Bar, Large Top Bar

1. 350W rear-wheel motor (40Nm of torque)
2. New generation alloy frame 6061
3. Battery A – Lithium 36V/10Ah (360Wh)
4. Battery B - Lithium 36V/7.5Ah (270Wh)
5. Thumb throttle
6. Control Panel
 - a. Ⓔ
 - b. 5 Assistance modes (1 to 5)
 - c. Battery Level
7. Double wall 700C rims
8. CST E-Series 700x40mm tires with puncture protection
9. Single rear carrier
10. DNP 11-32T 9 speed cassette
11. S-Ride MD-S300 9 speed rear derailleur (Shimano compatible)
12. 48T crank set
13. Front and rear hydraulic brakes with motor sensors
14. Seat post suspension and/or front suspension (Optional)
15. Alloy adjustable stem
16. Plastic front and rear fenders
17. Front LED light powered by main battery
18. Rear LED braking light powered by main battery
19. Bicycle weight (without battery) : 21.3kg
20. Battery A weight : 1.9kg
21. Battery B weight : 2.5kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h
Range:

No Pedaling Mode: 30 km to 50 km depending on the use of one or two batteries, with a complete charge and in ideal conditions.

Level 2 Pedal Assist Mode: 70 km to 120 km depending on the use of one or two batteries, with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION

The logo for Velec, featuring the brand name in a stylized, italicized font with a registered trademark symbol, set against a black arrow-shaped background pointing to the right.



* May differ from photograph

VELEC CITY 500

REMOVABLE INTEGRATED BATTERY

Choice of colors

Titanium or red

Sizes available :

Small Step Through, Medium Step Through, Medium Top Bar, Large Top Bar

1. 500W rear-wheel motor (60Nm of torque)
2. New generation alloy frame 6061
3. Battery A – Lithium 36V/10Ah (360Wh)
4. Battery B - Lithium 36V/7.5Ah (270Wh)
5. Thumb throttle
6. Control Panel
 - a. Ⓔ
 - b. 5 Assistance modes (1 to 5)
 - c. Battery Level
7. Double wall 700C rims
8. CST E-Series 700x40mm tires with puncture protection
9. Single rear carrier
10. DNP 11-32T 9 speed cassette
11. S-Ride MD-S300 9 speed rear derailleur (Shimano compatible)
12. 48T crank set
13. Front and rear hydraulic brakes with motor cut-off sensors
14. Seat post suspension and/or front suspension (optional)
15. Alloy adjustable stem
16. Plastic front and rear fenders
17. Front LED light powered by main battery
18. Rear LED braking light powered by main battery
19. Bicycle weight (without battery) : 21.9kg
20. Battery A weight : 1.9kg
21. Battery B weight : 2.5kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h

Range:

No Pedaling Mode: 25 km to 45 km depending on the use of one or two batteries, with a complete charge and in ideal conditions.

Level 2 Pedal Assist Mode: 60 km to 110 km depending on the use of one or two batteries, with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION



* May differ from photograph

VELEC CITY PRO

DISCREET MID DRIVE MOTOR

Choice of color:

Titanium

Sizes available :

Medium Step Through, Medium Top Bar, Large Top Bar

Owner's Manual

1. 250W mid-drive motor (80Nm of torque)
2. New generation alloy frame 6061
3. Battery A – Lithium 36V/10Ah (360Wh)
4. Thumb throttle
5. Control Panel
 - a. Ⓞ
 - b. 5 Assistance modes (1 to 5)
 - c. Battery Level
6. Double wall 700C rims
7. CST E-Series 700x40mm tires with puncture protection
8. Single rear carrier
9. DNP 11-32T 9 speeds cassette
10. 38T crankset
11. S-Ride MD-S300 9 speed derailleur (Shimano compatible)
12. Front and rear hydraulicv brakes with motor cut-off sensors
13. Seat post suspension and/or front suspension (Optional)
14. Alloy adjustable stem
15. Plastic front and rear fenders
16. Front LED light powered by main battery
17. Rear LED braking light powered by main battery
18. Bicycle weight (without battery): 21.9kg
19. Battery A weight : 1.9kg
20. Battery B weight : 2.5kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h

Range:


No Pedaling Mode: 30 km with a complete charge and in ideal conditions.


Level 2 Pedal Assist Mode: 70 km with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h


DESCRIPTION

TURNING ON THE VELEC CITI

First, make sure that the battery is locked within the frame. To activate the Citi 350, Citi 500 or Citi Pro, press the  button on the control panel on the handlebar. The LCD panel will show assistance mode 0. In order to use the assistance or the throttle, select the assistance levels from 1 to 5 with the control panel.

If you shutdown the bicycle with the  on the control panel on the handlebar or on the battery, the assistance level will return to 0 when you reactivate, for security purpose.



Power button 



Color LCD Panel with the assistance

MODEL CITI 350/500/ PRO

BATTERY LIGHT INDICATOR

There are 3 lights at the bottom of the battery.

The first light is red and will glow only if the battery is discharged.

The second is blue and indicates that the battery is roughly at around half its charge.

The last light is green and indicates that the battery is fully charged or at a high charge percentage.

The battery's charge level is visible on the Control Panel.



Battery Charge Level on
Color LCD Control Panel

BICYCLE'S ELECTRICAL MODES

NON-PEDALING MODE

From a stop or while in motion, simply push the thumb throttle (on the right) to move forward. To reach the top of some hills, it may be required to have to pedal as well. Throttle will only work if assistance mode is activated (above 0)

Range estimates are based on ideal conditions with a fully-charged battery.

Range may vary depending on road conditions, the number of and grade of slopes, the direction and the force of wind, the tire pressure and weight of the user.



ASSISTANCE MODE

Use this mode whenever you wish to benefit from electrical assistance, which makes pedaling easier.

For the Citi Pro models, to get the maximum power from the motor, it is important to change gears. Before changing gears, it is important to release the throttle to reduce tension into the chain, and to pedal at low torque. Lower gears will give you more torque at low speeds and higher gears will provide power at high speed.

(This mode gives you longer range for the same charge.)

MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

When you select the 0 mode from the LCD Panel, the assistance and the throttle will not be active, but you will have access to the panel information such as speed, distance, etc. In this situation, both front and rear lights will be activated.

Note that as soon as you use the brakes, the motor turns off automatically and the chosen functions are deactivated.

You can also use the bike without turning on the system to use it as a regular bike. In this situation neither the front or rear light will be activated.

5 ASSISTANCE LEVELS



Turn the motor on, press the assistance level selector on the LCD Control Panel and choose one of the 6 positions.

Assistance Level Selector on LCD Control Panel

Position 0

In this mode when you pedal or use the throttle, the motor will never turn ON. The electric bicycle can be pedaled as a regular bicycle in this position.

Position 1

When you pedal, the motor starts and provides you with 20% of assistance to easily reach 10km/h. Beyond 10km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 2

When you pedal, the motor starts and provides you with 35% of assistance to easily reach 15km/h. Beyond 15km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 3

When you pedal, the motor starts and provides you with 55% of assistance to easily reach 20km/h. Beyond 20km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 4

When you pedal, the motor starts and provides you with 75% of assistance to easily reach 25km/h. Beyond 25km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 5

When you pedal, the motor starts and provides you with 100% of assistance to easily reach 32km/h. Beyond this point, the motor does not provide any assistance.

ACTIVATION OF THE CRUISE CONTROL

Most of the Velec electric bicycles are equipped of a cruise control mode.

To activate, push and hold the throttle at the speed you wish to maintain, and press “-” for 3 seconds. To turn off the cruise control, press “-” or use the brakes.

INFORMATION ON THE CHARGER

The smart charger supplied with the Velec Citi allows very fast charging. 3 hours will charge 90% of the battery. The remaining 10% will be charged at a slower speed to increase battery life. Charging time may vary depending on the battery temperature, room temperature and the remaining charge of the battery before charging it.

When the charger glows red, the battery is charging. If the indicator light is green, the battery is fully charged.

LCD PANEL BACKGROUND

The background color and brightness will automatically adjust according to the ambient light for better readability. Day mode has black characters on a white background, and night mode has white characters on a black background.

LCD PANEL INFORMATION

Odometer: total distance traveled

TRIP: distance of the current ride

Assistance level: 0 to 5

Speed: in km/h or Mph

Torque supplied by the motor

Battery charge level

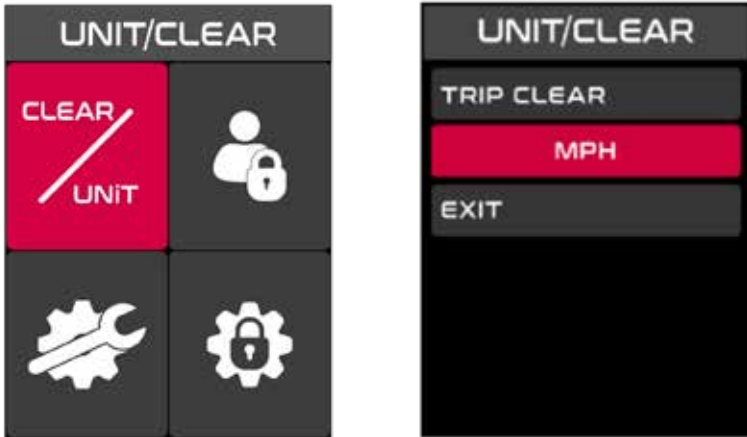
Cruise control activated or not

Error codes

Max speed

SWITCHING FROM KM/H TO MPH

On the main interface, press and hold «M» for 2 seconds. You will be taken to the «Setting» interface. Navigate through the menu with the «+» or «-» keys and select «CLEAR / UNIT.»




Press «M» next to the «CLEAR / UNIT» menu.

In the «CLEAR / UNIT» menu press «+» or «-» to change the selection and select «UNIT».

Press «M» then use «+» or «-» to change between KM/H or MPH. Press "EXIT" and "M" once to exit the menu.

TURNING ON THE LIGHTS

Both the front and rear lights are activated when turning on the system. When braking, the rear light intensifies. To turn off the front light, quickly press  directly on the light.

When the system is not used for a period of more than 10 minutes, the system goes into standby and the lights go out.

RESET THE TRIP

In the main interface, press for 2 seconds on «M». You will be taken to the «Setting» interface. With the " + " or " - " you can navigate through the menu. The menu at the top left is the one to reset the «TRIP» to 0. Press «M» opposite the CLEAR / UNIT menu

Make sure the level of assistance is at least 1.

In the CLEAR / UNIT menu press " + " or " - " to change the selection. Use «+» or «-» to go to «EXIT» and press «M» once.



THE “SETTING” MENU

The Setting menu is not accessible to end users. For security reasons, this menu is only accessible to authorized Velec techs.

ERROR CODES

If the LCD panel is showing an error code, please contact your local Velec retailer. This is for your information only:

Code 11 : Overheating of the motor of system

Code 32 : Motor blocked

Code 42 : Low voltage of battery

Code 52 : Abnormal signal of the motor cut-off sensors

Code 62 : Motor error

ANTI-THEFT SYSTEM

To facilitate the use of the bicycle, the system is available but not activated.

To activate :

In the main interface, press «M». You will be taken to the «Setting» interface. With the " + " or " - " you can navigate through the menu.

The menu at the top right is the one to activate / modify the password. To «click» just press «M». In the menu for password activation, press the " + " or the " - " to change between " on " or " off " and press the " M " to select. Then use «+» or «-» to go to «EXIT» and press «M» when selected.



The original password is «1111». To change it just go to the «Setting» menu again and press the icon at the bottom left then press «M». In the «PASSWORD» menu use the «+» or «-» to change the numbers and the «M» to move to the next. When finished, click on «M» again, the password will be saved and you will return to the previous menu. To return to the main menu, press «M» for 3 seconds.

When turning on the system, after 3 unsuccessful attempts to enter the password, an error message will appear. Leave the system on for 10 minutes until the error message disappears. You will have 3 more chances until the system locks you out.

Warning! It is very important to remember your password. If lost, please visit your local Velec retailer with key and a proof of purchase of your bike.



* May differ from photograph

VELEC R48


THE MARATHON

Choice of colors

Red / Titanium

Sizes available :

Small, Medium, Large

1. 500W brushless motor (60Nm of torque)
2. Alloy frame
3. Batteries A – Lithium 48V/10Ah (480 Wh) or 14Ah (672 Wh)
Optional battery : 48V/7Ah (336Wh)
4. Thumb throttle
5. LCD Control Panel
 - 
 - 5 Assistance modes (0 to 5)
 - Cruise Control
 - Battery Level
 - Odometer
 - Trip Distance
6. Double wall 26 inch wheels
7. CST E-Series tires 26 x 1.95 with puncture protection
8. Single rear carrier
9. S-Ride RD-M300 9 speed Rear Derailleur (Shimano compatible)
10. DNP 11-32T Cassette
11. 48T Crank set
12. Hydraulic disc brakes front and rear with Motor cut-off sensors
13. Alloy adjustable stem
14. Front Central Suspension fork
15. 30.4mm suspension seat post
16. Plastic front and rear fenders
17. Front LED light powered by main battery
18. Rear LED braking light powered by main battery
19. Bicycle weight (without battery) 26.4kg
20. Battery weight 48V/10Ah 2.85kg and 48V/14Ah 3.55kg
21. Optional battery weight : 2.5kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential assisted speed up to 32 km/h
Range:

No Pedaling Mode: 40 km to 80 km depending on the battery size and the use of one or two batteries, with a complete charge and under ideal conditions.

Level 2 Pedal Assist Mode: 80 km to 165 km depending on the battery size and the use of one or two batteries, with a complete charge and under ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION





* May differ from photograph

VELEC R48 PRO

MID-DRIVE MOTOR


Choices of color

Titanium

Sizes available :

Medium

Owner's Manual

1. 450W mid-drive motor (140 Nm of torque)
2. Alloy frame
3. Batteries A – Lithium 48V/10Ah (480 Wh) or 14Ah (672 Wh)
4. Thumb throttle
5. LCD Control Panel
 - 
 - 5 Assistance modes (0 to 5)
 - Cruise Control
 - Battery Level
 - Odometer
 - Trip Distance
6. Double wall 26 inch wheels
7. CST E-Series 26 x 1.95 tires with puncture protection
8. Single rear carrier
9. S-Ride RD-M300 9 speed Rear Derailleur (Shimano compatible)
10. DNP 11-32T Cassette
11. 48T Crank set
12. Hydraulic disc brakes front and rear with Motor cut-off sensors
13. Alloy adjustable stem
14. Front Central Suspension fork
15. 30.4mm suspension seat post
16. Plastic front and rear fenders
17. Front LED light powered by main battery
18. Rear LED braking light powered by main battery
19. Bicycle weight (without battery) : 26.3 kg
20. Battery weight : 48V/10Ah 2.85kg and 48V/14Ah 3.55kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential assisted speed up to 32 km/h

Range:

No Pedaling Mode: 40 km to 55 km per battery depending on the use of one or two batteries, with a complete charge and under ideal conditions.


Level 2 Pedal Assist Mode: 80 km to 110 km depending on the use of one or two batteries, with a complete charge and under ideal conditions.


*Ideal conditions: These apply for a 75kg or 165 lbs person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION


The logo for Velec, featuring the brand name in a stylized, italicized font with a registered trademark symbol, set against a black arrow-shaped background pointing to the right.

TURNING ON YOUR R48 / R48 PRO

First, make sure that the battery is locked within the frame. To activate the R48 and R48 PRO, press the  button on the control panel on the the handlebar. The LCD panel will show Assistance mode 0. In order to use the assistance or the throttle, select the assistance levels from 1 to 5 with the control panel.

If you shutdown the bicycle with the  on the control panel on the handlebar or on the battery, the assistance Level will return to 0 when you reactivate for security purpose.



Power button 



Color LCD Panel with the assistance

MODEL R48 / R48 PRO

BATTERY LIGHT INDICATOR

There are 4 lights on the top of the battery next to the power button. The first is red and the other 3 lights are green. When all 3 green lights are on, they indicate around 100% charge. When 2 green lights are on, they indicate a charge of around 50%. When 1 green light is on, that indicate a charge of around 25%. When only the red light is on, the battery is discharged. For optimal use of the battery, it would be best to recharge it when the last green light is on.

The battery's charge level is also visible on the LCD Control Panel.



Battery Charge Level on Color LCD Control Panel

BICYCLE'S ELECTRICAL MODES



NON-PEDALING MODE

From a stop or while in motion, simply turn the thumb throttle (on the right) to move forward. To reach the top of some hills, it may be required to have to pedal as well. Throttle will only work if assistance mode is activated (above 0)

Range estimates are based on ideal conditions with a fully-charged battery.

Range may vary depending on road conditions, the number of and grade of slopes, the direction and the force of wind, the tire pressure and weight of the user.



ASSISTANCE MODE

Use this mode whenever you wish to benefit from electrical assistance, which makes pedaling easier.

For the R48 Pro models, to get the maximum power from the motor, it is important to change gears. Before changing gears, it is important to release the throttle to reduce tension into the chain, and to pedal at low torque. Lower gears will give you more torque at low speeds and higher gears will provide power at high speed.

(This mode gives you longer range for the same charge.)

MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

When you select the 0 mode from the LCD Panel, the Assistance and the Throttle will not be active, but you will have access to the Panel information, speed, distance, etc. In this situation, both front and rear lights will be activated.

Note that as soon as you use the brakes, the motor turns off automatically and the chosen functions are deactivated.

You can also use the bike without turning on the system to use it as a regular bike. In this situation, neither the front or rear lights will be activated.

5 ASSISTANCE LEVELS



← Turn the motor on, press the assistance level selector on the LCD Control Panel and choose one of the 6 positions.

Assistance Level Selector on LCD Control Panel

Position 0

In this mode when you pedal or use the throttle, the motor will never turn ON. The electric bicycle can be pedaled as a regular bicycle in this position.

Position 1

When you pedal, the motor starts and provides you with 20% of assistance to easily reach 10km/h. Beyond 10km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 2

When you pedal, the motor starts and provides you with 35% of assistance to easily reach 15km/h. Beyond 15km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 3

When you pedal, the motor starts and provides you with 55% of assistance to easily reach 20km/h. Beyond 20km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 4

When you pedal, the motor starts and provides you with 75% of assistance to easily reach 25km/h. Beyond 25km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 5

When you pedal, the motor starts and provides you with 100% of assistance to easily reach 32km/h. Beyond this point, the motor does not provide any assistance.

ACTIVATION OF THE CRUISE CONTROL

Most of the Velec electric bicycles are equipped of a cruise control mode. To activate, push and hold the throttle at the speed you wish to maintain, and press “-” for 3 seconds.

To turn off the cruise control, press “-” or use the brakes.

INFORMATION ON THE CHARGER

The smart charger supplied with the Velec R48 and R48 PRO allows very fast charging. 3 hours will charge 90% of the battery of a 10Ah model. 4 hours will charge 90% of the battery of a 14Ah model. The remaining 10% will be charged at a slower speed to increase battery life. Charging time may vary depending on the battery temperature, room temperature and the remaining charge of the battery before charging it.

When the charger glows red, the battery is charging. If the indicator light is green, the battery is fully charged.

LCD PANEL INFORMATION

Odometer: total distance traveled

TRIP: distance of the current ride

Assistance level: 0 to 5

Speed: in km/h or Mph

Torque supplied by the motor

Battery charge level

Cruise control activated or not

Error codes

Max speed

LCD PANEL BACKGROUND

The background color and brightness will automatically adjust according to the ambient light for better readability. Day mode has black characters on a white background, and night mode has white characters on a black background.

SWITCHING FROM KM/H TO MPH

On the main interface, press and hold «M» for 2 seconds. You will be taken to the «Setting» interface. Navigate through the menu with the «+» or «-» keys and select «CLEAR / UNIT».

Press «M» next to the «CLEAR / UNIT» menu.



In the «CLEAR / UNIT» menu press «+» or «-» to change the selection and select «UNIT».

Press «M» then use «+» or «-» to change between KM/H or MPH. Press "EXIT" and "M" once to exit the menu.

TURNING ON THE LIGHTS

Both the front and rear lights are activated when turning on the system. When braking, the rear light intensifies. To turn off the front light, quickly press **G** directly on the light.

When the system is not used for a period of more than 10 minutes, the system goes into standby and the lights go out.

RESET THE TRIP

In the main interface, press «M» for 2 seconds. You will be taken to the «Setting» interface. With the "+" or "-", you can navigate through the menu. The menu at the top left is the one to reset the «TRIP» to 0. Press «M» opposite the CLEAR / UNIT menu

Make sure the level of assistance is at least 1.

In the CLEAR / UNIT menu press "+" or "-" to change the selection. Use «+» or «-» to go to «EXIT» and press «M» once.



THE “SETTING” MENU

The Setting menu is not accessible to end users. For security reasons, this menu is only accessible to authorized Velec techs.

ERROR CODES

If the LCD panel is showing an error code, please contact your local Velec retailer. This is for your information only:

- Code 11 : Overheating of the motor of system
- Code 32 : Motor blocked
- Code 42 : Low voltage of battery
- Code 52 : Abnormal signal of the motor cut-off sensors
- Code 62 : Motor error

ANTI-THEFT SYSTEM

To facilitate the use of the bicycle, the system is available but not activated. To activate it :

In the main interface, press «M» for 2 seconds. You will be taken to the «Setting» interface. With the "+" or "-" you can navigate through the menu.

The menu at the top right is the one to activate / modify the password. To «click» just press «M». In the menu for password activation, press the "+" or the "-" to change between "on" or "off" and press the "M" to select. Then use «+» or «-» to go to «EXIT» and press «M» when selected.



The original password is «1111». To change it just go to the «Setting» menu again and press the icon at the bottom left then press «M». In the «PASSWORD» menu use the «+» or «-» to change the numbers and the «M» to move to the next. When finished, click on «M» again, the password will be saved and you will return to the previous menu.

To return to the main menu, press «M» for 3 seconds.

Warning! It is very important to remember your password. If lost, please visit your local Velec retailer with proof of purchase of your bike.




* May differ from photograph

VELEC A2

THE CLASSIC

Choice of colors
Red / Titanium

1. 350W motor (40Nm of torque)
2. Alloy frame
3. Battery A – Lithium 36V/10Ah (360Wh) or 36V/12.5Ah (450Wh) or 36V/17.5Ah (630Wh)
4. Thumb throttle
5. LCD Control Panel
 - 
 - 5 Assistance modes (0 to 5)
 - Cruise Control
 - Battery Level
6. Double wall 26 inch rims
7. CST 26 x 1.95 tires with puncture protection
8. Single rear carrier
9. S-Ride RD-200 8 speed derailleur (Shimano compatible)
10. Free wheel 13/32T
11. 52T Crank set
12. Hydraulic brakes with motor cut off sensors
13. Front fork suspension
14. Adjustable Alloy stem
15. Thermo Plastic front and rear fenders
16. Front LED light powered by main battery
17. Rear LED light (2 - AA battery)
18. Bicycle weight (without battery) 21kg
19. Battery weight 3.15kg for the 10Ah, 3.65kg for the 12.5Ah and 3.5kg for the 17.5Ah

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h or 20 mph Range:
No Pedaling Mode: 35 km to 60 km per battery depending on battery choice, with a complete charge and in ideal conditions.

Level 2 Pedal Assistance Mode : 70 km to 120 km per battery depending on battery choice, with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION

The logo for 'velec' is written in a stylized, lowercase, italicized font. The letters are white with a slight shadow effect, set against a black background that tapers to a point on the right side, resembling a stylized arrow or a road sign.




* May differ from photograph

VELEC A2S

THE CLASSIC

Choice of colors
Red / Titanium

1. 350W motor (40Nm of torque)
2. Alloy frame
3. Battery A – Lithium 36V/10Ah (360Wh) or 36V/12.5Ah (450Wh)
4. Thumb throttle
5. LCD Control Panel
 - 
 - 5 Assistance modes (0 to 5)
 - Cruise Control
 - Battery Level
6. Double wall 24 inches rims
7. CST 24 x 1.95 tires with puncture protection
8. Single rear carrier
9. S-Ride RD-200 8 speed derailleur (Shimano compatible)
10. Free wheel 13/32T
11. 52T Crank set
12. Hydraulic brakes with motor cut off sensors
13. Front fork suspension
14. Adjustable Alloy stem
15. Thermo Plastic front and rear fenders
16. Front LED light driven by main battery
17. Rear LED light (2 - AA battery)
18. Bicycle weight (without battery) 21kg
19. Battery weight 3kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h or 20 mph Range: No Pedaling Mode: 30 km to 40 km per battery depending on battery choice, with a complete charge and in ideal conditions.


Level 2 Pedal Assistance Mode : 60 km to 80 km per battery depending on battery choice, with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION

The logo for 'velec' is displayed in a stylized, lowercase font. The letters are white with a black outline, set against a black background that tapers to a point on the right side, resembling an arrowhead.

TURNING ON THE SYSTEM

To turn on the battery, insert the key in the battery as shown in position A, turn key clockwise as shown in position B to lock the battery into the bicycle and turn the key further clockwise as shown in position C to activate the battery. To turn on the system, press the  button on the Control Panel.



Key at position **A**
Battery unlocked

Key at position **B**
Battery locked

Key at position **C**
Battery activated and locked



LCD Panel with the assistance mode 5

MODEL A2 / A2S

Owner's Manual

BATTERY LIGHT INDICATOR

There are 3 lights on the top of the battery next to the red button. The first is red and the other 2 lights are green. When all 3 lights are on, they indicate a 51-100% charge. When 2 lights (one red and one green) are on, they indicate a charge of 1 to 50%. When only the red light is on, the battery is discharged. For optimal use of the battery, it would be best to recharge it when the last green light is on.

The battery's charge level is also visible on the LCD Control Panel.



Red button on battery



Battery Charge Level on LCD Control Panel

TURNING ON THE LIGHTS

The front light of the Velec A2 or A2S is powered by the bicycle battery. The headlight must be turned on manually by the light switch, found on the back of the light. If you keep the switch on, the light will automatically turn off with the bike and turn on with the bike for maximum safety.

The rear light of the Velec A2 or A2S is powered by two AA batteries. The tail light must be turned on manually before each ride and turned off at the end of it, by sliding the switch to on or off.

Before using the bike for the first time, remove the plastic tab protruding from the rear light so that contact can be made.



NON-PEDALING MODE

From a stop or while in motion, simply turn the thumb throttle to move forward. To reach the top of some hills, it is possible you might have to pedal as well.

Based on ideal conditions with a fully-charged battery .

The range will be reduced depending on the type of roadway, the number of slopes and the degrees of inclination, the direction and the force of wind, the tire pressure and the weight of the user.



ASSISTANCE MODE

Use this mode whenever you wish to benefit from electrical assistance, which makes pedaling easier.

(This mode gives you longer range for the same charge.)

MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

When you select the 0 mode from the LCD Panel, the Assistance and the Throttle will not be active, but you will have access to the Panel informations, speed, distance, etc.

Note that as soon as you use the brakes, the motor turns off automatically and the chosen functions are deactivated.

You can also use the bike without turning on the system to use it as a regular bike. If used without display being powered, the distance will not be added to the odometer.

BICYCLE'S ELECTRICAL MODES

5 ASSISTANCE LEVELS



Turn the motor on, press the assistance level selector on the Control Panel and choose one of the 5 positions.

* May differ from photograph

Assistance Level Selector
on Control Panel

Position 0

In this mode when you pedal or use the throttle, the motor will never turn ON. The electric bicycle can be pedaled as a regular bicycle in this position.

Position 1

When you pedal, the motor starts and provides you with 20% of assistance to easily reach 10km/h. Beyond 10km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 2

When you pedal, the motor starts and provides you with 35% of assistance to easily reach 15km/h. Beyond 15km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 3

When you pedal, the motor starts and provides you with 55% of assistance to easily reach 20km/h. Beyond 20km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.


Position 4

When you pedal, the motor starts and provides you with 75% of assistance to easily reach 25km/h. Beyond 25km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 5

When you pedal, the motor starts and provides you with 100% of assistance to easily reach 32km/h. Beyond this point, the motor does not provide any assistance.

HOW TO PUT THE TRIP BACK TO ZERO?

1. Activate the console by pressing the .
2. Press both the «+» and «-» button at the same time for 6 seconds and the odometer will be set back to zero

CRUISE CONTROL



Push the throttle (on the handlebar) until the desired speed is attained, maintain this speed for a few seconds then press and hold the (-) button until you see a « C » in the LCD panel then you can release the button and the Cruise control is activated. You can now release the throttle handle and the speed will be maintained.

To deactivate the Cruise Control, simply press one of the brake levers.

Cruise Control

LCD PANEL INFORMATION

Odometer: total distance traveled
TRIP: distance of the current ride
Assistance level: 0 to 5
Speed: in km/h or Mph
Torque supplied by the motor
Battery charge level
Cruise control activated or not
Error codes
Max speed

LCD PANEL BACKGROUND

Once powered on, press the power button  to turn on the screen backlight. Press again to turn off the screen backlight.

INFORMATION ON THE CHARGER

The smart charger supplied with the Velec A2 and A2S allows fast charging. 6 hours will charge 90% of the battery of a 10Ah model. 7 hours will charge 90% of the battery of a 12.5Ah model. 9 hours will charge 90% of the battery of a 17.5Ah model. The remaining 10% will be charged at a slower speed to increase battery life. Charging time may vary depending on the battery temperature, room temperature and the remaining charge of the battery before charging it.

When the charger glows red, the battery is charging. If the indicator light is green, the battery is fully charged.

ERROR CODES

If the LCD panel is showing an error code, please contact your local Velec retailer. This is for your information only:

Code 3 or 6: Motor problem

Code 4: Low battery voltage

Code 11: High motor temperature. Safe mode engage. Motor providing 50% until returned to normal temperature.

Code 5: Brake lever engaged

Code 7: Throttle problem

Code 10 or 30: Communication lost/problem with controller

Code 15: Communication lost with display




* May differ from photograph

VELEEC FB48

THE WARRIOR

Choice of colors
Titanium

1. 500W (70Nm of torque)
2. 16 inch alloy frame
3. Battery A – Lithium 48V/10Ah (480Wh) or 48V/15Ah (720Wh)
4. Thumb throttle
5. LCD Control Panel
 - 
 - 5 Assistance mode (0 to 5)
 - Cruise Control
 - Battery Level
 - Odometer
 - Distance
6. 20 inch wheels
7. 20 x 4.00 Tires
8. S-Ride RD-200 8 speed rear derailleur (Shimano compatible)
9. 8 speed free wheel 13/32T
10. 52T Crank set
11. Hydraulic disc brakes front and rear with motor cut off sensors
12. Adjustable, folding Alloy stem
13. Rear carrier
14. 30.4mm suspension seat post
15. Alloy front and rear fenders
16. Bicycle weight (without battery) 21kg
17. Battery weight : 48V 10Ah: 2.9kg and 48V 15Ah: 3.85kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h or 20 mp/h Range:
 No Pedaling Mode: 30 km to 45 km or 18 miles to 28 miles per battery depending
 on battery choice, with a complete charge and in ideal conditions.


Level 2 Pedal Assist Mode: 60 km to 90 km or 37 miles to 56 miles per battery depending on battery
 choice, with a complete charge and in ideal conditions.

*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads,
 without headwinds and with tires inflated to the manufacturer's specifications (see recommended
 pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION



TURNING ON THE SYSTEM

To turn on the FB48, insert the key into the battery in position A, turn key clockwise to position B to lock the battery to the bicycle, and turn the key further clockwise to position C to activate the battery, then press the  button on the Control Panel.



Key at position A
Battery unlocked

Key at position B
Battery locked

Key at position C
Battery activated and locked



 button on
Control Panel

* May differ from photograph

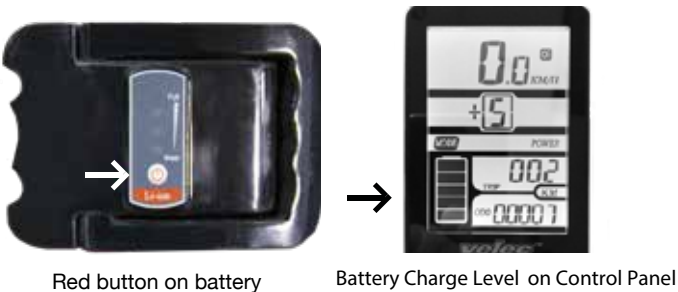
MODEL FB48

Owner's Manual

BATTERY LIGHT INDICATOR

There are 3 lights on the top of the battery next to the red button. The first is red and the other 2 lights are green. When all 3 lights are on, they indicate a 51-100% charge. When 2 lights (one red and one green) are on, they indicate a charge of 1 to 50%. When only the red light is on, the battery is dead. For optimal use of the battery, it would be best to recharge it when the last green light is on.

The battery's charge level is also visible on the LCD Control Panel.



* May differ from photograph

TURNING ON THE LIGHTS

The front light of the Velec FB48 is powered by the bicycle battery. The headlight must be turned on manually by the light switch, found on the back of the light. If you keep the switch on, the light will automatically turn off with the bike and turn on with the bike for maximum safety.

The rear light of the FB48 is powered by two AA batteries. The tail light must be turned on manually before each ride and turned off at the end of it, by sliding the switch to on or off.

Before using the bike for the first time, remove the plastic tab protruding from the rear light so that contact can be made.

NON-PEDALING MODE

From a stop or while in motion, simply turn the thumb throttle to move forward. To reach the top of some of the hills, it is possible you might have to pedal as well.

Based on ideal conditions with a fully-charged battery .

The range will be reduced depending on the type of roadway, the number of slopes and the degrees of inclination, the direction and the force of wind, the tire pressure and the weight of the user.



ASSISTANCE MODE

Use this mode whenever you wish to benefit from electrical assistance, which makes pedaling easier.

(This mode gives you longer range for the same charge.)

MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

When you select the 0 mode from the LCD Panel, the assistance and the throttle will not be active, but you will have access to the panel information, speed, distance, etc.

Note that as soon as you use the brakes, the motor turns off automatically and the chosen functions are deactivated.

You can also use the bike without turning on the system to use it as a regular bike. If used without display being powered, the distance will not be added to the odometer.

BICYCLE'S ELECTRICAL MODES



5 ASSISTANCE LEVELS

Turn the motor on, press the assistance level selector on the LCD Control Panel and choose one of the 6 positions.

Assistance Level Selector on LCD Control Panel

May differ from photograph

Position 0

In this mode when you pedal or use the throttle, the motor will never turn ON. The electric bicycle can be pedaled as a regular bicycle in this position.

Position 1

When you pedal, the motor starts and provides you with assistance up to 10km/h. If you are already pedaling at a higher speed than 10km/h, you will not feel the motor.

Position 2

When you pedal, the motor starts and provides you with assistance up to 15km/h. If you are already pedaling at a higher speed than 15km/h, you will not feel the motor.

Position 3

When you pedal, the motor starts and provides you with assistance up to 20km/h. If you are already pedaling at a higher speed than 20km/h, you will not feel the motor.

Position 4

When you pedal, the motor starts and provides you with assistance up to 25km/h. If you are already pedaling at a higher speed than 25km/h, you will not feel the motor.

Position 5

When you pedal, the motor starts and provides you with assistance up to 32km/h. If you are already pedaling at a higher speed than 32km/h, you will not feel the motor.

LCD PANEL INFORMATION

Odometer: total distance traveled

TRIP: distance of the current ride

Assistance level: 0 to 5

Speed: in km/h or Mph

Torque supplied by the motor


Battery charge level

Cruise control activated or not

Error codes

Max speed

LCD PANEL BACKGROUND

Once powered on, press the power button  to turn on the screen backlight. Press again to turn off the screen backlight.

INFORMATION ON THE CHARGER

The smart charger supplied with the Velec FB48 allows fast charging. 3 hours and a half will charge 90% of the battery of a 10Ah model. The remaining 10% will be charged at a slower speed to increase battery life. Charging time may vary depending on the battery temperature, room temperature and the remaining charge of the battery before charging it.

When the charger glows red, the battery is charging. If the indicator light is green, the battery is fully charged.



CRUISE CONTROL



Push the throttle (on the handlebar) until the desired speed is attained, maintain this speed for a few seconds then press and hold the (-) button until you see a « C » in the LCD panel then you can release the button and the Cruise control is activated. You can now release the throttle handle and the speed will be maintained.

To deactivate the Cruise Control, simply press one of the brake levers.

Cruise Control

HOW TO PUT THE TRIP BACK TO ZERO?

1. Activate the console by pressing the G.
2. Press both the «+» and «-» button at the same time for 6 seconds and the odometer will be set back to zero

ERROR CODES

If the LCD panel is showing an error code, please contact your local Velec retailer. This is for your information only:

Code 3 or 6: Motor problem

Code 4: Low battery voltage

Code 11: High motor temperature. Safe mode engage. Motor providing 50% until returned to normal temperature.

Code 5: Brake lever engaged

Code 7: Throttle problem

Code 10 or 30: Communication lost/problem with controller

Code 15: Communication lost with display





* May differ from photograph

VELEC RX36

THE GLOBETROTTER

Choice of colors

Black

Size

One size

Owner's Manual

1. 350W motor (40Nm of torque)
2. New generation folding alloy frame
3. Battery – Lithium 36V/10.5Ah (378Wh)
4. Thumb throttle
5. LCD Panel
 - a. Ⓞ
 - b. 5 Assistance mode (0 to 5)
 - c. Battery Level
 - d. Cruise Control
6. Double wall 20 inch rims
7. 20 x 3.00 tires
8. Single rear carrier
9. S-Ride RD-200 8 speed Rear derailleur (Shimano compatible)
10. 52T Crank set
11. Hydraulic front and rear disc brakes with motor cut off sensors
12. Standard saddle
13. Alloy adjustable Folding stem
14. Thermo Plastic front and rear fenders
15. Front LED light on handlebar
16. Rear LED light
17. Bicycle weight (without battery) 19kg
18. Battery A weight : 2,8kg

Specifications could change without warning.

Speed & Distance (Under ideal conditions*): Potential Speed up to 32 km/h or 20 mp/h
Range:

No Pedaling Mode: 25 km or 15 miles with a complete charge and in ideal conditions.


Level 2 Pedal Assist Mode: 50 km or 31 miles with a complete charge and in ideal conditions.


*Ideal conditions: These apply for a 75kg or 165 lbs. person riding on paved and level roads, without headwinds and with tires inflated to the manufacturer's specifications (see recommended pressure on side of tire) and between 15 to 20 km/h or 9 to 13 mp/h.

DESCRIPTION

The logo for the brand 'velec' is displayed in a stylized, lowercase font. The letters are white with a black outline, and the logo is set against a black arrow-shaped background that points to the right.

TURNING ON THE SYSTEM

To activate the RX36, make sure that the battery is locked within the frame then press « - O » on the right side of the battery and then the  button on the handlebar. The LCD panel will show Assistance mode 0. In order to use the assistance or the throttle, select the assistance level from 1 to 5 on the LCD panel.

If you shutdown the bicycle with the  on the handlebar or on the battery, the assistance level will return to 0 when you reactivate for security purpose.



Start button on the console



LCD panel

BATTERY LIGHT INDICATOR

There is 1 indicator light on the underside of the battery. The light will turn on and will be red if the battery is discharged, will be blue to indicate a medium battery level, and a green light will indicate a full battery level.

For the battery level, please refer to the control console.

MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

When you select the 0 mode from the LCD Panel, the Assistance and the Throttle will not be active, but you will have access to the Panel informations, speed, distance, etc.

Note that as soon as you use the brakes, the motor turns off automatically and the chosen functions are deactivated.

You can also use the bike without turning on the system to use it as a regular bike. If used without display being powered, the distance will not be computed to the odometer.

5 ASSISTANCE LEVELS



To turn the motor on, press the assistance level selector on the LCD Control Panel and choose one of the 6 positions.

Assistance Level Selector on Control Panel

Optional LCD Control Panel

Position 0

In this mode when you pedal or use the throttle, the motor will never turn ON. The electric bicycle can be pedaled as a regular bicycle in this position.

Position 1

When you pedal, the motor starts and provides you with 20% of assistance to easily reach 10km/h. Beyond 10km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 2

When you pedal, the motor starts and provides you with 35% of assistance to easily reach 15km/h. Beyond 15km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 3

When you pedal, the motor starts and provides you with 55% of assistance to easily reach 20km/h. Beyond 20km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 4

When you pedal, the motor starts and provides you with 75% of assistance to easily reach 25km/h. Beyond 25km/h, the motor slowly reduces its assistance allowing the cyclist to provide more effort.

Position 5

When you pedal, the motor starts and provides you with 100% of assistance to easily reach 32km/h. Beyond this point, the motor does not provide any assistance.

MODEL RX36



CRUISE CONTROL



Cruise Control
May differ from photograph

Push the thumb throttle (on right handlebar) until the desired speed is attained, maintain this speed for a few seconds then press the 'Down' arrow button on the Control Panel to set the Cruise Control 'ON'. You can now release the thumb throttle and the speed will be maintained.

To deactivate the Cruise Control, simply use one of the brake levers.

TURNING ON THE LIGHTS

The front light of the Velec RX36 is powered by the main battery, but the rear light is powered by two AA type batteries. The headlights must be manually turned on before each ride and then turned off after it using the button on the light.

Before using the bike for the first time, remove the plastic tab protruding from the battery compartment so that contact can be made.

INFORMATION ON THE CHARGER

The smart charger supplied with the Velec RX 36 allows fast charging. 3 hours and a half will charge 90% of the battery of a 10Ah model. The remaining 10% will be charged at a slower speed to increase battery life. Charging time may vary depending on the battery temperature, room temperature and the remaining charge of the battery before charging it.

When the charger glows red, the battery is charging. If the indicator light is green, the battery is fully charged.

LCD PANEL INFORMATION

Odometer: total distance traveled

TRIP: distance of the current ride

Assistance level: 0 to 5

Speed: in km/h or Mph

Torque supplied by the motor


Battery charge level

Cruise control activated or not


Error codes

Max speed

LCD PANEL BACKGROUND

Once powered on, press the power button  to turn on the screen backlight. Press again to turn off the screen backlight.

HOW TO PUT THE TRIP BACK TO ZERO?

1. Activate the console by pressing the .
2. Press both the «+» and «-» button at the same time for 6 seconds and the odometer will be set back to zero

ERROR CODES

If the LCD panel is showing an error code, please contact your local Velec retailer. This is for your information only:

Code 3 or 6: Motor problem

Code 4: Low battery voltage

Code 11: High motor temperature. Safe mode engage. Motor providing 50% until returned to normal temperature.

Code 5: Brake lever engaged

Code 7: Throttle problem

Code 10 or 30: Communication lost/problem with controller

Code 15: Communication lost with display

Velec inc.
www.velec.ca in Canada
www.velecEBIKE.com in the USA

The logo features the word "velec" in a stylized, italicized, lowercase font. The letters are white and set against a black background that is shaped like a wide arrow pointing to the left. A small trademark symbol (TM) is located at the top right of the word.

velec[™]

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