

CITI +  
CITI PRO  
R48  
A2  
A2S  
FB48  
RX36

# 2021 OWNER'S MANUAL

The Velec logo is rendered in a white, italicized, sans-serif font with a thin black outline. A small 'TM' trademark symbol is positioned to the upper right of the 'c'. The logo is centered within a black horizontal arrow that points to the right.

***velec***<sup>TM</sup>

IMPORTANT – PLEASE READ THE MANUAL BEFORE  
USING YOUR ELECTRICALLY ASSISTED BICYCLE

# 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.

**Wearing a helmet is mandatory !**

Velec inc.  
[www.velec.ca](http://www.velec.ca) in Canada  
[www.velecEBIKE.com](http://www.velecEBIKE.com) in the USA

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## 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](http://www.velec.ca) in Canada or [www.velecEBIKE.com](http://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 _____
Production date _____
End of warranty date _____

To register your electric bicycle, please go to :

CANADA: [WWW.VELEC.CA/EN/REGISTER](http://WWW.VELEC.CA/EN/REGISTER)  
 USA: [WWW.VELECEBIKE.COM/US/REGISTER](http://WWW.VELECEBIKE.COM/US/REGISTER)

Velec inc.  
[www.velec.ca](http://www.velec.ca) in Canada  
[www.velecEBIKE.com](http://www.velecEBIKE.com) in the USA

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 (hereafter referred to as 'VELEC') notifies the owner or the user (hereafter known as 'Owner') of an Electrically-Assisted Bicycle (hereafter 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 Québec. For any purchase with a view to using the EAB outside the Province of Québec, 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 Québec. Parties shall elect domicile in the Montréal Judicial District, Province of Québec, 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 in the Owner's Manual on page 5, at the dealer's and at the Velec Internet site at [www.velec.ca](http://www.velec.ca) in Canada or [www.velecEBIKE.com](http://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.

**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 2021 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.

## 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.

## REGULATIONS

## 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 reduce your battery's range by 1 km or .6 mile.

## 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.

## PRACTICAL SUGGESTIONS



## LITHIUM BATTERIES 36V AND 48V

### BATTERY TYPES PER MODEL :

#### Citi + and Citi PRO

Integrated in-frame battery 36V/7Ah (252Wh)

Optional rear 36V/7Ah (252Wh) or 36V/10.5Ah (378Wh) battery

#### R48

Central battery : 48V/10.5Ah (504Wh) , 48V/14Ah (672Wh)

#### A2

Battery beneath seat : 36V/10.4Ah (374Wh), 36V/13Ah (468Wh), 36V/17.5Ah (630Wh)

#### A2S

Battery beneath seat : 36V/10.4Ah (374Wh), 36V/13Ah (468Wh), 36V/17.5Ah (630Wh)

#### FB48

Battery beneath seat : 48V/10.4Ah (499Wh), 48V/13Ah (624Wh), 48V/17.5Ah (840Wh)

#### 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. Remove the key from the battery before charging it for models A2, A2S, FB48 and switch into the off position for Citi +, Citi PRO, RX36, R48.
2. First, plug the charger to an 110V AC outlet.
3. Next, connect the charger to the battery.
4. Then do the opposite, 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 12 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 completely for 8 hours; afterward, you must charge your battery for two hours every two months.

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 ?

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 30 volts, the battery could become irrecoverably damaged and might no longer be able to accept a full charge.

To keep the battery properly under warranty, If using your Velec seasonably you should follow these simple maintenance procedures:

Immediately following your last long ride of the season, charge your battery for 2 to 8 hours depending on the model. Then, during the the off months, charge the battery for 2 hours every two months.

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

**CHARGING YOUR BATTERY FOR 2 HOURS EVERY 60 DAYS WHENEVER YOU'RE NOT USING IT IS THE MOST IMPORTANT THING TO REMEMBER! IF THESE DIRECTIVES ARE NOT RESPECTED, YOUR BATTERY MIGHT STOP WORKING AND WILL NOT BE COVERED BY THE LIMITED WARRANTY.**



\* May differ from photograph

# VELEC CITI +

Choice of colors  
Titanium or red

**ONLY 19KG !  
REMOVABLE BATTERY  
ON THE SIDE**

1. 36V/350W rear-wheel motor (40 Nm of torque)
2. New generation alloy frame 6061
3. Battery A – Lithium 36V/7Ah (252Wh)
4. Battery B - Lithium 36V/7Ah (252Wh) or 36V/10.5Ah (378Wh) on rear carrier (Optional)
5. Thumb throttle
6. Control Panel
  - a. I/O
  - b. 5 Assistance modes (1 to 5)
  - c. Battery Level
7. Double wall 700C rims
8. CST E-Series 700x38mm tires
9. Single rear carrier
10. Shimano or SRAM - 8 or 9 speed Rear Derailleur
11. 48T crank set
12. Front and rear hydraulic disc brakes with motor cut-off
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 : 16.5 kg or 36 lbs.
19. Battery A weight : 2.5 kg or 6 lbs.
20. Battery B weight : 2.5 kg or 6 lbs.

Specifications could change without warning.

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

No Pedaling Mode: 25 km to 60 km or 15 miles to 37 miles depending on the use of one or two batteries, with a complete charge and in ideal conditions.

Level 2 Pedal Assist Mode: 55 km to 125 km or 34 miles to 78 miles depending on the use of one or two batteries, with a complete charge and in ideal conditions.

\*Ideal conditions: These apply for an 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


First, make sure that the battery is locked within the frame. To activate the Citi+, press the (power switch symbol) 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 (power switch symbol) on the control panel on the handlebar or on the battery, the assistance Level will return to 0 when you reactivate for security purpose.

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 button 



Color LCD Panel with the assistance

Battery Level



Battery Charge Level on Color LCD Control Panel

## MODEL CITI +

Owner's Manual

## BICYCLE'S ELECTRICAL MODES

**velec**™

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle (on the right) to move forward. To reach the top of some hills, it may be required to have to pedal as well.

Based on ideal conditions with a fully-charged battery.

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.

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



## 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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.



## 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.

## HOW TO PUT THE ODOMETER BACK TO ZERO?

1. Activate the console by pressing on the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero.

It is the only programmable function. To make sure that the electric bicycle functions properly, It will be impossible to make any other modifications.

## INFORMATION ABOUT THE CHARGER

The smart charger supplied with the Velec Citi + allows very fast charging. It charges the battery at a speed of 4A. This charges approximately 85% of the batteries in 90 minutes. The remaining 15% will be charged at a slower speed to increase battery life.

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



\* May differ from photograph

# VELEC CITY PRO

Choice of colors  
Titanium

**ONLY 19KG !  
DISCREET MID DRIVE  
MOTOR**

1. 36V/200W mid-drive motor (50Nm of torque)
2. New generation alloy frame 6061
3. Battery A – Lithium 36V/7Ah (252Wh)
4. Battery B - Lithium 36V/7Ah (252Wh) or 36V/10.5Ah (378Wh) on rear carrier (Optional)
5. Thumb throttle
6. Control Panel
  - a. I/O
  - b. 5 Assistance modes (1 to 5)
  - c. Battery Level
7. Double wall 700C rims
8. CST E-Series 700x38mm tires
9. Single rear carrier
10. Shimano or SRAM - 8 or 9 speed Rear Derailleur
11. 38T crank set
12. Front and rear hydraulic disc brakes with motor cut-off
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 : 16.5 kg or 36 lbs.
19. Battery A weight : 2.5 kg or 6 lbs.
20. Battery B weight : 2.5 kg or 6 lbs.

Specifications could change without warning.

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

No Pedaling Mode: 25 km to 60 km or 15 miles to 37 miles depending on the use of one or two batteries, with a complete charge and in ideal conditions.  
Level 2 Pedal Assist Mode: 55 km to 125 km or 34 miles to 78 miles depending on the use of one or two batteries, with a complete charge and in ideal conditions.

\*Ideal conditions: These apply for an 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


First, make sure that the battery is locked within the frame. To activate the Citi Pro, press the (power switch symbol) 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 (power switch symbol) on the control panel on the left side of the handlebar or on the battery, the assistance Level will return to 0 when you reactivate for security purpose.

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 button 



Color LCD Panel with the assistance

Battery Level



Battery Charge Level on  
Color LCD Control Panel

## MODEL CITI PRO

Owner's Manual

## BICYCLE'S ELECTRICAL MODES

**velec**™

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle to move forward. To reach the top of some hills, it may be required to have to pedal as well.

Based on ideal conditions with a fully-charged battery.

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.

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



## 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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.

## 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.

## HOW TO PUT THE ODOMETER BACK TO ZERO?

1. Activate the console by pressing on the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero.

It is the only programmable function. To make sure that the electric bicycle functions properly, It will be impossible to make any other modifications.

## INFORMATION ABOUT THE CHARGER

The smart charger supplied with the Velec Citi + allows very fast charging. It charges the battery at a speed of 4A. This charges approximately 85% of the batteries in 90 minutes. The remaining 15% will be charged at a slower speed to increase battery life.

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



\* May differ from photograph

# VELEC R48

## THE MARATHON

Choice of colors  
Red / Titanium / Black

1. 48V/500W brushless motor (60 Nm of torque)
2. Alloy frame
3. Batteries A – Lithium 48V/10.5Ah (504 Wh) or 14Ah (672 Wh)
4. Thumb throttle
5. LCD Control Panel
  - I/O
  - 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
8. Single rear carrier
9. Shimano or SRAM - 8 or 9 speed Rear Derailleur
10. 11-32T Cassette
11. 48T Crank set
12. Hydraulic disc brakes front and rear with Motor cut-off
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) 21 kg or 42 lbs.
20. Battery weight 3 kg or 7 lbs.

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 or 25 miles to 34 miles 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 115 km or 55 miles to 75 miles depending on the use of one or two batteries, with a complete charge and under ideal conditions.


\*Ideal conditions: These apply for an 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

First, make sure that the battery is locked within the frame. To activate the R48, press the (power switch symbol) 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 (power switch symbol) on the control panel on the left side of the handlebar or on the battery, the assistance Level will return to 0 when you reactivate for security purpose.



battery button 



Color LCD Panel with the assistance

There are 4 lights on the top of the battery next to the red Button. The first light is red and will glow only if the battery is discharged; the other 3 lights are green and indicate the charge level. 3 lights lit indicate an approximate 100% charge, 2 lights lit indicate a level of charge of about 55% and only one light glowing indicates a charge level of approximately 25%.

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



Battery Level

Battery Charge Level on  
Color LCD Control Panel

## MODEL R48

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle to move forward. To reach the top of some hills, it may be required to have to pedal as well.

Based on ideal conditions with a fully-charged battery.

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.

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

# 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

### 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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.



## 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.

## CRUISE CONTROL



Press the Thumb Throttle (on the left of the handlebar) until the desired speed is attained, maintain this speed for a few seconds then press (-) button until you see a « C » in the LCD panel then you can release the button the Cruise control is activate. 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 ODOMETER BACK TO ZERO?

1. Activate the console by pressing on the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero

It is the only programmable function. To make sure that the electric bicycle functions properly, It will be impossible to make any other modifications.



\* May differ from photograph

# VELEC A2

## THE CLASSIC

Choice of colors  
Red / Titanium

1. 36V/350W motor (40 Nm of torque)
2. Alloy frame
3. Battery A – Lithium 36V/10.4Ah (374Wh) or 36V/13Ah (468Wh) or 36V/17.5Ah (630Wh)
4. Thumb throttle
5. LCD Control Panel
  - I/O
  - 5 Assistance modes (0 to 5)
  - Cruise Control
  - Battery Level
6. Double wall 26 inch wheels
7. Kenda tires 26 x 1.95 with K-Shield Protection
8. Single rear carrier
9. Shimano Acera 8 speed derailleur
10. FreeWheel 13/28T
11. 52T Crank set
12. Hydraulic brakes with motor cut off
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) 21 kg or 47 lbs.
19. Battery weight 3kg or 6.5 lbs.

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 or 21 miles to 37 miles per battery depending on battery choice, with a complete charge and in ideal conditions.  
 Level 2 Pedal Assistance Mode : 70 km to 120 km or 43 miles to 74 miles per battery depending on battery choice, with a complete charge and in ideal conditions.

\*Ideal conditions: These apply for an 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

To turn on the battery, insert the key in the battery as shown in picture A, turn key clockwise as shown in picture B to lock the battery into the bicycle and turn the key further clockwise as shown in picture C to activate the battery. To turn on the system, press the ON/OFF 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 0

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.



Red button on battery



Battery Level  
Assistance Level  
Buttons

Battery Charge Level on  
LCD Control Panel

# MODEL A2

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle 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.)

# 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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.

## MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

To switch the motor OFF, you can press the I/O button on the Control Panel or turn the key to the OFF position on the battery.

To cut off the electrical power entirely, the key must be removed.

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

## HOW TO PUT THE ODOMETER BACK TO ZERO?

1. Activate the console by pressing the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero

It is the only programmable function. To make sure that the electric bicycle functions properly, it will be impossible to make any other modifications.

## CRUISE CONTROL



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.



\* May differ from photograph

# VELEC A2S

## THE CLASSIC

Choice of colors  
Red / Titanium

1. 36V/350W motor (40 Nm of torque)
2. Alloy frame
3. Battery A – Lithium 36V/10.4Ah(374Wh) or 36V/13Ah (468Wh) or 36V/17.5Ah (630Wh)
4. Thumb throttle
5. LCD Control Panel
  - I/O
  - 5 Assistance modes (0 to 5)
  - Cruise Control
  - Battery Level
6. Double wall 24 inches wheels
7. Kenda tires 24 x 1,95 with K-Shield Protection
8. Single rear carrier
9. Shimano Acera 8 speed derailleur
10. FreeWheel 13/32T
11. 52T Crank set
12. Hydraulic brakes with motor cut off
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) 21 kg or 47 lbs.
19. Battery weight 3kg or 6.5 lbs.

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 55 km or 18 miles to 34 miles per battery depending on battery choice, with a complete charge and in ideal conditions.

Level 2 Pedal Assistance Mode : 60 km to 105 km or 37 miles to 65 miles per battery depending on battery choice, with a complete charge and in ideal conditions.

\*Ideal conditions: These apply for an 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

To turn on the battery, insert the key in the battery as shown in picture A, turn key clockwise as shown in picture B to lock the battery into the bicycle and turn the key further clockwise as shown in picture C to activate the battery. To turn on the system, press the ON/OFF 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 0

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.



Red button on battery



Battery Level  
Assistance Level  
Buttons

Battery Charge Level on  
LCD Control Panel

# MODEL A2S

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle 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.)

# 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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.



## MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

To switch the motor OFF, you can press the I/O button on the Control Panel or turn the key to the OFF position on the battery.

To cut off the electrical power entirely, the key must be removed.

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

## HOW TO PUT THE ODOMETER BACK TO ZERO?

1. Activate the console by pressing the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero

It is the only programmable function. To make sure that the electric bicycle functions properly, it will be impossible to make any other modifications.

## CRUISE CONTROL



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.



\* May differ from photograph

# VELEC FB48

## THE WARRIOR

Choice of colors  
Titanium

1. 48V/500W High Torque motor
2. 16 inch alloy frame
3. Battery A – Lithium 48V/10.4Ah (499Wh) or 48V/13Ah (624Wh) or 48V/17.5Ah (840Wh)
4. Thumb throttle
5. LCD Control Panel
  - I/O
  - 5 Assistance mode (0 to 5)
  - Cruise Control
  - Battery Level
  - Odometer
  - Distance
6. 20 inch wheels
7. 20 x 4.00 Tires
8. Shimano Acera 8 speed rear derailleur
9. Freewheel 13/28T
10. 52T Crank set
11. Hydraulic disc brakes front and rear with motor cut off
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) 21 kg or 47 lbs.
17. Battery weight : 3 kg to 6.5 lbs.

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 50 km or 18 miles to 31 miles per battery depending on battery choice, with a complete charge and in ideal conditions.

Level 2 Pedal Assist Mode: 60 km to 100 km or 37 miles to 62 miles per battery depending on battery choice, with a complete charge and in ideal conditions.

\*Ideal conditions: These apply for an 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

To turn on the FB48/48V, 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 ON/OFF button on the Control Panel D.



Key at position A  
Battery unlocked



Key at position B  
Battery locked



Key at position C  
Battery activated and locked



-/O button on Control Panel D

\* May differ from photograph

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.



Red button on battery



Battery Level

Battery Charge Level on Control Panel

\* May differ from photograph

# MODEL FB48

## NON-PEDALING MODE

From a stop or while in motion, simply turn the Throttle Handle 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.)

# 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.

## MANUAL MODE WITHOUT PEDAL-ASSISTANCE OR THROTTLE

To switch the motor OFF, you can press the I/O button on the Control Panel or turn the key to the OFF position on the battery.

To cut off the electrical power entirely, the key must be removed.

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

## CRUISE CONTROL



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.

## HOW TO PUT THE ODOMETER BACK TO ZERO?

1. Activate the console by pressing on the ON button for 3 seconds.
2. Press both the «+» and «-» button at the same time for 3 seconds and the odometer will be set back to zero

It is the only programmable function. To make sure that the electric bicycle functions properly, it will be impossible to make any other modifications.



\* May differ from photograph

# VELEC RX36

## THE GLOBETROTTER

Choice of colors  
Black

1. 36V/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. I/O
  - b. 5 Assistance mode (0 to 5)
  - c. Battery Level
  - d. Cruise Control
6. Double wall 20 inch wheels
7. 20 x 3.00 tires
8. Single rear carrier
9. Shimano Acera 8 speed Rear derailleur
10. 52T Crank set
11. Shimano disc brakes front and rear with Motor cut off
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) 19 kg or 44 lbs.
18. Battery A weight : 2,8 kg or 6 lbs.

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 an 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

To activate the RX36, make sure that the battery is locked within the frame then press I/O on the right side of the battery and then the I/O 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 I/O 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

LCD panel at assistance level 0

## 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 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 the 10km/h speed, 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 the 15km/h speed, 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 the 20km/h speed, 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 the 25km/h speed, 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

## 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.

To turn the electrical power OFF entirely, simply press the I/O on the right side of the battery.

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

## CRUISE CONTROL



Cruise Control  
May differ from photograph

Turn the Throttle Handle (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 Throttle Handle and the speed will be maintained.

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



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The logo features the word "velec" in a stylized, italicized, lowercase font. The letter "v" is unique, with a horizontal bar extending to the left, forming a shape similar to a left-pointing arrowhead. A small trademark symbol (™) is positioned to the upper right of the "c".

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