



VelectriX Instruction Manual

- Ascent
- Ascent Pulse
- Urban+
- Urban Pulse
- Cruiser
- Cruiser Pulse

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Safe Riding Recommendations

1. Please ensure you are familiar with and follow all traffic laws and regulations for your state. Please remember you may need to review these when travelling interstate.
2. Always wear a helmet when riding your bike.
3. Don't lend your bike to anyone who is unfamiliar with it.
4. As with all bikes it is important that you stay within safe limits and speeds. If you feel you are travelling too quickly for the road conditions, then slow down!! High speeds will increase risk of injury in the event of an accident.
5. Please read and become familiar with the "Pre-Ride Checklist" in this manual before riding your bike.
6. Switch the lights on your bike on when riding at all times of the day or night. If your bike doesn't have lights fitted as standard, it is recommended that you purchase them and fit before riding.

Pre-Ride Checklist

1. Check your bike for any loose nuts, bolts, or fixings.
2. Check tyre pressures on your bike are correct. Please always refer to the tyre manufactures suggested levels on the side of the tyre.
3. Check the tyres on your bike for any visible damage, wear and tear or bald spots.
4. Check that the brake levers have been installed correctly on your bike. The left-hand brake lever should operate the rear brake and the right-hand brake lever should operate the front brakes.
5. Check the brakes are working effectively.
6. Check that your bike is fitted with a working bell and reflectors.
7. Check that the wheel nuts or quick release skewers on your bike are tight.
8. Check that the electronic functions on your bike are working.
9. Check that the handlebars and stem are tightened.
10. Check that all accessories are securely fastened.
11. Check that your battery has sufficient charge for your ride.

LCD Display and Controls

VelectriX E-Bikes come equipped with 2 types of LCD display, depending on the model of bike. Please take note of which one applies to your bike, as follows:

Bafang C11 LCD Display

The Bafang C11 LCD display is fitted, as standard, to the following VelectriX models: **Ascent Pulse, Urban Pulse, Cruiser Pulse**. The display is mounted on the left side of the handlebar and is controlled with 3 easy to use buttons:

⏻ Power, **+** and **-**



LCD Display Operation




Power On/Off

Press and hold the ⏻ button down for more than 2 seconds to start the display and supply power to the motor controller. To turn off, repeat this process. The display will turn off automatically after 10 minutes, if not in use.




User Interface



1. Battery Level Indication.
2. Power Assistance Indication.
Levels 0 to 5. 0 is no assistance.
5 is maximum assistance.
 indicates walk mode is operational.
3. Lighting Indicator.
4. Current Speed Indicator.
5. Multi-function Indicator – Trip, Odometer, Average Speed, Range

Walk Mode





Press and hold the  button to engage the Walk Assist function. The  icon will appear in the display and the bike will assist to 6 kph. Release the  button to exit the Walk Assist mode.

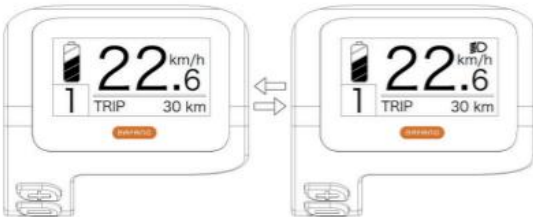
! The walk assist feature is not a riding mode. It is designed to assist with walking the bike up an incline to a maximum of 6 kph.


Power Assist Level Adjustment



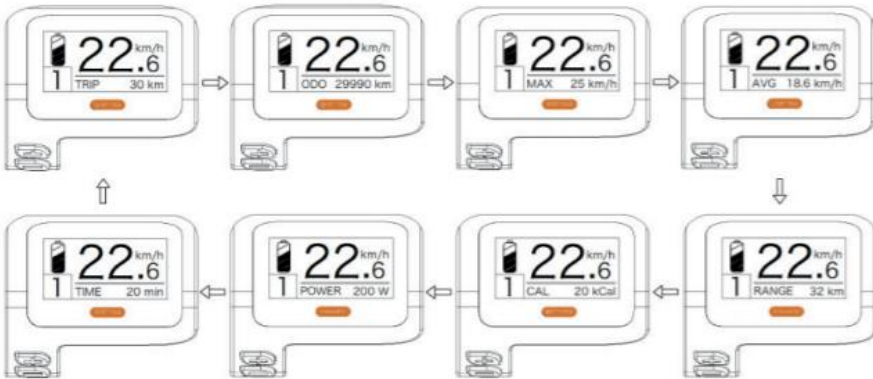
There are 5 pedal assist settings on this bike, level 1 providing the lowest level of assisted power and level 5 the highest. Simply push the plus or minus buttons   to change between the levels. Pedal assist does not work in level 0 (zero).


Light Operation (for models equipped with lights as standard)













Press and hold the  button to turn on, and off, the lights and display backlight.

Additional Functions





Briefly pressing the  button will allow you to toggle through the Additional Functions such as Odometer, Maximum Speed etc. The default Function is Current trip.

Trip Meter

To reset the trip meter, briefly press  and  together to enter the display setting menu. Now briefly press  or  to select Trip Reset and briefly press . Now briefly press  or  to select YES or NO (yes will reset the trip, no will not reset the trip). Briefly press  to save the setting and exit back to the Trip Reset. Now press and hold  and  at the same time to save and exit back to the display setting menu. Select exit. When resetting the trip meter, it also resets riding time, average speed and maximum speed at the same time.

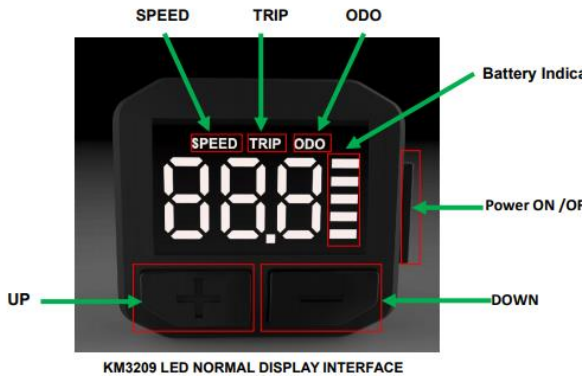


Kingmeter KM3209 LCD Display

The Kingmeter KM3209 LCD display is fitted to the following VelectriX models: **Ascent, Urban+, Cruiser**. The display is mounted on the left side of the handlebar and is controlled with 3 easy to use buttons, Power,  (Up) And  (down)



LCD Display Operation



Power On/Off

Hold the “Power” button down for 1 second to start display and supply power to the motor controller. To turn off, hold down the “Power” button for 2.5 seconds. The display will turn off automatically after 10 minutes, if not in use.


User Interface

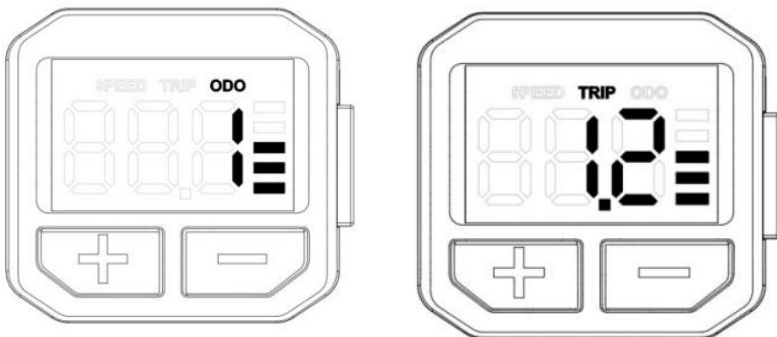
When the display is turned on, the screen will look as below.



Trip & Odometer Functions


Pressing the “Power” button will allow you to access the “Trip” and “Odometer” functions.

The “Trip” distance can be cleared by pressing and holding both “Power” &  buttons together for 2 seconds.



The “Odometer” will continue to accumulate for the life of the bike.


Walk Assist

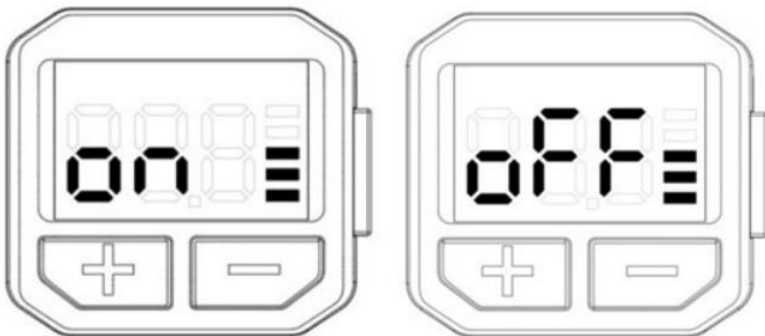
Press and hold the  Button for 2 seconds to enable the walk assist function. Releasing the button will disable the walk assist.





! The walk assist feature is not a riding mode. It is designed to assist with walking the bike up an incline to a maximum of 6 kph.

Light Operation (for models equipped with lights as standard)

Press and hold the  button for over 2 seconds, to turn the lights on. Repeat, to turn the lights off.



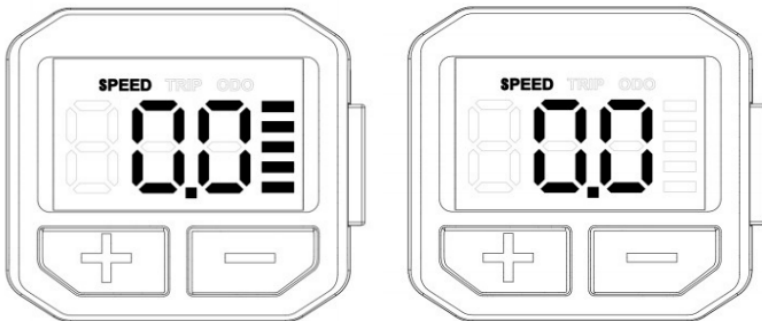
Power Assist Adjustment

There are 5 levels of Power Assist. Level 1 is the slowest setting, and level 5 is the fastest. For example, level 1 will power to an approximate speed of 13-14 kph, level 2 to approximately 18 kph, and so on with a maximum assist speed in level 5 at 25 kph. Level "0" offers no Power Assist. Level 1 is the default setting when the display is first turned on. Press the  button to increase your speed and press the  button to decrease your speed.



Battery Indicator

The battery charge level is indicated by 5 bars. When the battery is low on charge, the last bar will flash. The battery needs charging as soon as possible.



Battery Instructions



Before riding you may want to check the battery charge by pressing the button on the battery top. The battery charge light will illuminate. The colour of the LED indicates the level of battery charge:

- Blue = More than 90% charge
- Green = 40 – 90% charge
- Red = 20 – 40% charge
- **Flashing Red** = Less than 20% charge

Locking & Unlocking the Battery

The bike is supplied with a set of keys, that are required to remove the battery from the bike. The lock is located at the top of the battery, in the frame of the bike.

Removing the Battery from the Bike

To remove the battery, insert the key and turn fully clockwise. Pull the battery straight up & out from the bike. When reinserting the battery, place the base in first and push down gently on the top to engage the lock. You will hear the lock “click” into place.

Always make sure the battery is securely locked in place before riding.

The Battery Charger

! Only use the battery charger supplied with this bike.



Charging the Battery

The battery may be charged on or off the bike.

1. Locate the charger port beneath the weather seal, on the top of the battery.
2. Plug the battery charger into the charging port and wall power socket.
3. **Only when** connected to the battery, should the charger be turned on at the wall power socket.
4. When charging, both LED lights on the charger will be RED. One of the lights will turn GREEN when the battery is fully charged.
5. Charging time is around 4 hours.

Maintenance

- Your VelectriX bike should be returned to your servicing dealer for servicing and a thorough inspection once every 9 months or 1500kms, whichever comes first. Excluding the electronics, motor, battery and wiring, your VelectriX e-bike is a normal bike, with normal components. Your dealer will be able to explain to you the general care and maintenance required for the components of your bike.
- Once a month lubricate the chain and all pivot points on your derailleur and derailleur pulleys with suitable chain lube.
- You can clean your bike with warm soapy water, however, please do not submerge any electrical components or use a high pressure hose. You can wipe dry the bike with a cloth.
- VelectriX encourages all owners to return their new VelectriX bike to the place of purchase for a service/safety check, within the first month or so of ownership.

Warranty

This warranty is provided by VelectriX Pty Ltd, Australia. VelectriX warrants its products, including all individual components against defects in material or workmanship as follows:

Warranty Conditions

- The warranty period is not renewed or extended as a result of a warranty repair or replacement.
- The sales receipt for the product must be provided as a proof of purchase when a warranty claim is made.
- The warranty is not transferable and is only offered to the original purchaser of the product.
- The warranty only applies to products purchased through a VelectriX authorised reseller/dealer.
- Any approved warranty work must be completed by an authorised VelectriX reseller/dealer.
- To the extent that any conditions or warranty implied by law is excludable, such a condition or warranty is excluded.
- The warranted maximum combined carrying capacity for VelectriX products is 110kgs (combined weight of rider & carried goods)

Frame Warranty

- VelectriX bicycle frames are warranted to be free from manufacture defects in materials and/or workmanship for 5 years, from date of original purchase.

Non-Electrical Component Warranty

The following non-electrical components are warranted to be free from manufacture defects in materials and/or workmanship for a 1 year period from the date of original purchase: fork, stem, handlebar, headset, seat post, saddle, brake levers, brake callipers, brake rotors, bottom bracket, crank set, pedals, rims, spokes, wheel hub, freewheel, cassette, derailleur, gear shifter, kickstand, rack, mudguards.

Electrical Component Warranty

The following electrical components are warranted to be free from manufacture defects in materials and/or workmanship for a period of 2 years from the date of original purchase:

- Motor
- Battery
- Controller

The following electrical components are warranted to be free from manufacture defects in materials and/or workmanship for a period of 1 year from the date of original purchase:

- Battery charger
- Wiring looms
- Light fittings/bulbs
- Display
- PAS sensor & cable
- Gear shift sensor & cable

The battery warranty will exclude damage from:

- Over charging or power surges
- The use of an improper, non-approved VelectriX charger
- Any other misuse, abnormal wear and tear, physical damage or water damage
- Age related reduction in the capacity of the battery is normal and unavoidable and as such does not constitute a fault. If the battery has a capacity of at least 60% within 2 years of purchase it will be considered acceptable. VelectriX reserves the right for the battery to be returned for testing to establish the capacity before any repair or replacement is authorised.

Component Exclusions

The following components are deemed to be considered wear and tear items and are **NOT** covered under this warranty:

- Tyres and inner tubes/valves
- Head lights and tail lights
- Magnetic PAS sensor disc
- Brakes pads and cables
- Drivetrain components including chainrings, gear cassettes, chain, gear cables and oils and lubricants.

Usage Exclusions

The following acts are not covered under warranty:

- Damage caused by acts of god
- Damage caused by improper use or force majeure
- Damage which results from improper or insufficient care
- Repairs, maintenance, alterations, modifications or the replacement of parts by persons other than trained mechanics
- Any commercial use
- Accidental damage, neglect, abuse, misuse, repairs resulting from the use of second hand parts
- Damage caused from competitive use, stunt riding or exceeding the bikes carrying capacity.

How To Make a Warranty Claim

If you believe your VelectriX product is faulty or defective, please:

1. Contact the authorised VelectriX reseller/dealer from where the bike was purchased and explain the issue.
2. The reseller/dealer will then advise as to how they will assist with your warranty claim.

Model Specification

VelectriX Ascent Pulse Mens

FRAME	Aluminium mens frame
COLOUR	Grey (YS 7785)
SIZES	45cm, 51cm
FORK	Zoom 29" 100mm travel suspension forks
RIMS	Double wall, 29" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda Honey Badger XC 29" x 2.2"
HANDLEBARS	Zoom MTB 680mm 31.8mm, 6 degree back sweep, 30mm rise
STEM	Promax fixed stem 28.6mm clamp, 31.8mm bar, 100mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic discs
GEARS	Microshift 9-SPEED, 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt mid drive unit with gear shift sensor
DRIVE TYPE	Torque Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Side stand

Velectrix Urban Pulse Mens

FRAME	Aluminium mens frame
COLOUR	Blue (YS 7896)
SIZES	51cm
FORK	Zoom 27.5" 80mm travel suspension forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip
HANDLEBARS	Zoom MTB 680mm 31.8mm, 6 degree back sweep, 30mm rise
STEM	Promax fixed 28.6mm clamp, 31.8mm bar, 108mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic disc
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt mid drive unit with gear shift sensor
DRIVE TYPE	Torque Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Fitted rear rack, front & rear lights (powered by main battery), side stand, mudguards

Velectrix Urban Pulse Step Through

FRAME	Aluminium low step through frame
COLOUR	Blue (YS 7820)
SIZES	42cm, 46cm
FORK	Zoom 27.5" 80mm travel suspension forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip
HANDLEBARS	Zoom CITY, 595mm wide, 25.4mm
STEM	Promax adjustable stem 28.6mm clamp, 25.4mm bar, 90mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic discs
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt mid drive unit with gear shift sensor
DRIVE TYPE	Torque Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Fitted rear rack, front & rear lights (powered by main battery), side stand, mudguards

Velectrix Cruiser Pulse Step Through

FRAME	Aluminium step through cruiser frame
COLOUR	Blue (YS-7891)
SIZES	42cm, 47cm, 52cm
FORK	Fixed front aluminium forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip (black with brown wall)
HANDLEBARS	Zoom 620mm Wide, 31.8mm, 38 degree back sweep, 30mm rise
STEM	ZOOM Fixed Stem 17 degree rise, 80mm length
SEAT POST	Zoom 27.2mm x 300mm
BRAKES	Promax Hydraulic Discs
GEARS	Microshift CS-H082 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt mid drive unit with gear shift sensor
DRIVE TYPE	Torque Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Side stand

VelectriX Ascent Mens

FRAME	Aluminium mens frame
COLOUR	Grey (YS 7785)
SIZES	45cm, 51cm
FORK	Zoom 29" 100mm travel suspension forks
RIMS	Double wall, 29" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda Honey Badger XC 29" x 2.2"
HANDLEBARS	Zoom MTB 680mm 31.8mm, 6 degree back sweep, 30mm rise
STEM	Promax fixed stem 28.6mm clamp, 31.8mm bar, 100mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic discs
GEARS	Microshift 9-SPEED, 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt rear hub
DRIVE TYPE	Speed Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Side stand

VelectriX Urban+ Mens

FRAME	Aluminium mens frame
COLOUR	Black (YS 7991)
SIZES	51cm
FORK	Zoom 27.5" 80mm travel suspension forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip
HANDLEBARS	Zoom MTB 680mm 31.8mm, 6 degree back sweep, 30mm rise
STEM	Promax Adjustable, 28.6mm clamp, 31.8mm bar, 100mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic discs
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt rear hub
DRIVE TYPE	Speed Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Fitted rear rack, front & rear lights (powered by main battery), side stand and mudguards

VelectriX Urban+ Step Through

FRAME	Aluminium low step through frame
COLOUR	Black (YS 7991)
SIZES	42cm, 46cm
FORK	Zoom 27.5" 80mm travel suspension forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip
HANDLEBARS	Zoom CITY, 595mm wide, 25.4mm
STEM	Promax adjustable 28.6mm clamp, 25.4mm bar, 90mm extension
SEAT POST	Promax 27.2mm x 300mm
BRAKES	Promax hydraulic disc
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt rear hub
DRIVE TYPE	Speed Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Fitted rear rack, front & rear lights (powered by main battery), side stand, mudguards

VelectriX Cruiser Mens

FRAME	Aluminium mens cruiser frame
COLOUR	Silver (YS 9188-1)
SIZES	51cm
FORK	Fixed front aluminium forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip (black with brown wall)
HANDLEBARS	Zoom 620mm Wide, 31.8mm, 38 degree back sweep, 30mm rise
STEM	ZOOM Fixed Stem 17 degree rise, 80mm length
SEAT POST	Zoom 27.2mm x 300mm
BRAKES	Tektro V Brakes
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt rear hub
DRIVE TYPE	Speed Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Side stand

Velectrix Cruiser Step Through

FRAME	Aluminium step through cruiser frame
COLOUR	Lilac (YS-8972), Green (YS-2260)
SIZES	42cm, 47cm, 52cm
FORK	Fixed front aluminium forks
RIMS	Double wall, 27.5" 13g, 36h, brass nipples, with eyelets
TYRES	Kenda K-Shield 27.5" x 1.95" with reflective strip (black with brown wall)
HANDLEBARS	Zoom 620mm Wide, 31.8mm, 38 degree back sweep, 30mm rise
STEM	ZOOM Fixed Stem 17 degree rise, 80mm length
SEAT POST	Zoom 27.2mm x 300mm
BRAKES	Tektro V Brakes
GEARS	Microshift 8 speed. 11-13-15-18-21-24-28-32T
MOTOR	Bafang 250 watt, 36 volt rear hub
DRIVE TYPE	Speed Sensor. 5 levels of pedal assist & walk assist mode
BATTERY	36v 12.8ah (460wh) frame integrated
CHARGER	Smart Charger 36v 3A Single Pin
DISPLAY	LCD Display Unit
ACCESSORIES	Side stand