

REENTION Mini Eel 36V 11.6ah/12.8ah E-bike Battery Guide

Overview



Battery base/bottom

Battery top

Battery charging port



Battery charge LED indicator

Button to check battery capacity



Main power connection/discharge point housed in battery top



Key lock/barrel housed in bike frame



To check the state of charge, press the button on the top. 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



If access is required to the top of the battery, remove the 4 screws and pull the battery top away from the main battery body to expose the wiring for the charger port, charge indicator circuit board and the main 30 Amp fuse

Removing the Battery from The Bike

1. Insert the key into the lock above the battery and turn clockwise until the battery releases
2. Gently pull the battery up and out of the bike



Installing the Battery Into The Bike

1. Insert the bottom of the battery into the base in the frame. The two lugs will align
2. Ease the top of the battery into the upper mount and gently push down until the lock clicks into place



Battery Charging Tips

Lithium batteries are safe and forgiving regarding charging. Topping up regularly is completely acceptable and can even extend battery life compared to fully discharging and recharging

- VelectriX E-bikes come standard with “smart” chargers. They are designed to turn off when the correct battery voltage is reached
- There are two lights on the charger. Both will be red when the charger is connected to power and the battery is being charged. When full charge is reached, the second light will turn green
- Always plug the charger into the battery **before** connecting the charger to power
- The charger will get warm during charging. Make sure the charger is on a surface that will cope with the temperature
- Heat is the enemy of lithium batteries. the cells are controlled by a battery management system (BMS) to keep the voltage in the correct range to avoid a dangerous condition. If a battery is discharged completely, it will simply turn off. This is the BMS doing its job. Your mobile phone is exactly the same!
- Always store the battery in the coolest place possible
- Fully charged batteries left in the sun will offer less range than batteries kept in the shade! Park your bike away from full sun
- If storing a battery for an extended period, do so at 50-60% charge. Never store discharged or fully charged
- If a battery that has been stored for a long period will not accept charge, it is the BMS that has determined that the battery voltage is too low and in a dangerous range. A new battery will be required.
- Batteries must be disposed of correctly. Many battery retailers will accept old batteries along with some council waste and recycling centres. **never throw a lithium battery into general waste!!**

Important:

All Reention batteries use the same 36 volt, 3 amp charger. It has a single DC 2.1 pin to plug into the battery charging port. Replacement chargers are product number VXAUS10005



Replacing The Key Barrel/Lock

1. Remove the 5 screws from the upper battery mount
2. Slide the upper battery mount down and out of the frame
3. Push the key barrel into the frame and remove
4. Place the new key barrel into the frame and use the key (on the outside of the frame) to hold in position
5. Now insert the upper battery mount back into the frame (whilst still holding the key on the outside) and begin the installation with the 2 screws that hold the key barrel to the upper battery mount.
6. Once the first 2 screws are in position and holding the key barrel, install the remaining 3 screws.
7. Finally, tighten all 5 screws and check that the lock works properly and firmly holds the battery in position

