

The tricycles 2217E, 2219E are a version of the model 2217, 2219 that is equipped with electric pedal assist.

1. Technical Specifications

Description	Dimensions
Battery	9 Ah
System	36V
Weight battery	2,4 kg
Operating temperature	0 - 45°C (standard charge) -20 - 60°C (standard discharge)
Storage temperature	-20 - 50°C (1 week) -20°C - 40°C (6 months) -20°C - 35°C (1 year)
Battery charger	Refer to manual delivered with the battery charger
Motor	250W 190 rpm
Assistance to	17 km/h
Assistance level	0+6 (0= no assistance available, other levels assistance available)
Drive range	Depend from many factors*
Brake breakers	Braking: assistance is interrupted
Standard	Delivered with disc brake, 3- or 7 gear and differential

* Factors that influence the drive range:

Battery charge level, used assistance level, temperature and wind condition, user weight and load in the basket, tire pressure and condition of the tires, used gears accelerations, drive chain condition, condition of the road, slopes, ...

2. Safety rules

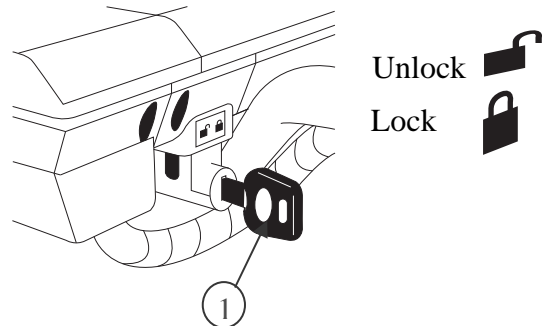
- ⚠ **Unauthorized service, maintenance or repair parts can result in serious damage and void your warranty.**
- ⚠ **Follow all local laws and regulations.**
- ⚠ **Practice riding in a safe area free from hazards.**
- ⚠ **Use only the batteries and chargers delivered from Vermeiren. Do not use the charger to charge other batteries.**
- ⚠ **Do not drop the battery or charger. Do not open or modify the battery or charger.**
- ⚠ **Do not come in contact with the acid from the batteries.**
- ⚠ **Keep the battery away from intense sunlight, heat. To avoid short circuit, do not use metal items near by the battery (ex. paper clips, coins, nails).**
- ⚠ **Remove the battery from the tricycle before transporting the tricycle in the car.**
- ⚠ **Use the electronics in dry rooms only.**
- ⚠ **See for a good ventilation of the battery compartment. Do not cover the charger while charging.**
- ⚠ **Disconnect the battery from the charger unit when fully charged.**
- ⚠ **Unplug the charger from the wall outlet when not in use.**

3. Intended use

The electric tricycle can be used on paved roads, and on gravel roads that are smooth.

Not intended to be used on off-road or mountain bike use, or for any kind of jumping or racing.

4. Mounting / removing battery



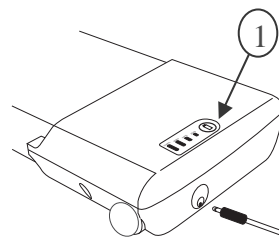
To mount the battery:

1. Place the key ① and turn the key to the unlock symbol.
2. Place the battery in the battery housing as far as possible. There is only 1 possible way to insert the battery.
3. Turn the key ① to the lock symbol.
4. Check that the battery is fixed very well.
5. Remove the key ① (Never remove the key while riding).

To remove the battery:

1. Place the key ①.
2. Turn the key ① to the unlock symbol.
3. Pull the battery gently out the battery housing.

5. Switching the electric device On/Off

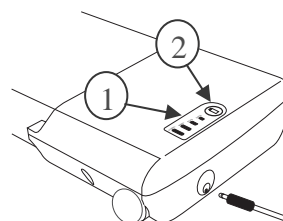


1. Press 2 seconds on the battery indicator button ① on the battery, to switch the electric device on and off.
2. The LED's on the operator control will indicate the status.

6. Battery charge indicator

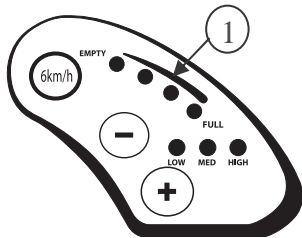
There are two battery charge indicators:

* On the battery pack (located underneath the basket, rear side of the tricycle):



1. Press button ② on the battery pack.
2. The LED's of the battery charge indicator ① will indicate the battery charge level.

* Operator control (located on the handlebar, front side of the tricycle):



When the electric system is switched on, the LED's of the battery charge indicator ① will indicate the battery charge level.

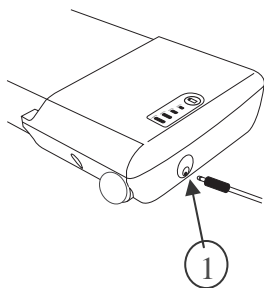
Because of the wiring, both indications can deviate a little bit. In that case, take the worst charge level indication.

7. Charging batteries

⚠ WARNING: Risk of injury - Only use the battery charger supplied to charge the batteries.

Check the battery on damage before charging the first time. Press the charge indicator button for 2 seconds to switch on the battery. When no LED of the charge indicator lights up, the battery may be damaged. When at least one, but not all LEDs of the charge indicator is lit, then fully charge the battery pack before using for the first time.

Do not charge a damaged battery and do not use it, contact your specialist dealer.



To ensure full battery capacity, completely charge the battery in the charger before using it for the first time.

The battery can be recharged at any time on the tricycle or while removed from the tricycle.

Instructions to charge the removed battery:

1. Switch the battery/electric device off.
2. Remove the battery from the battery housing and prevent dirt or fluids to enter the charging socket.
3. Connect the charger plug to the battery pack ①.
4. Connect the charger mains plug into the wall socket.
5. The LED indicator on the battery charger will show the status of the charging process:
Red - Charging
Green - Standby / Fully Charged
6. Once the battery is fully charged, remove the battery charger from the wall socket and the battery.

For the user instructions of the battery charger you can refer to the manual that is delivered with your battery charger.

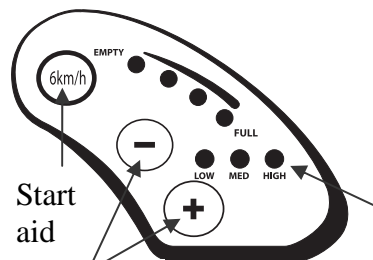
8. How to ride

Before using the tricycle in busy or potentially dangerous areas or roads with heavy traffic, familiarize yourself with the operation of your tricycle. Please practice in a wide and open area like a park. Try out the different assistance levels. When the assist system is turned ON, the electric system engages and will provide assistance only while pedaling. The amount of power depends on your pedaling force and the assistance level. When you stop pedaling or reach a speed more than 17 km/h the assistance is switched off automatically. When the assistance (assistance level: 0) is switched off you can drive normally with your tricycle.

The assist system can be activated with the button "+" on the operator control on the handlebar. The assistance level can be decreased/increased with the buttons "-" and "+" on the operator control mounted on the handlebar.

There are 7 assistance levels:

Assistance level	LED
0	No LEDs lit
1	LED LOW is blinking
2	LED LOW lit
3	LED MED is blinking
4	LED MED lit
5	LED HIGH is blinking
6	LED HIGH lit



LEDs indicating assistance level

Changing assistance level

9. Switching the Start aid On/Off

With the button "6km/h" the start aid can be activated. The start aid is limited to 6 km/h. The start aid can make it easier for you to push or start the tricycle. It is also convenient while taking sharp turns.

8. Keys

Your E-tricycle is delivered with 2 keys: main key and spare key. The key's are identified by a serial number. Keep the spare key in a safe place and write the key serial number down for key replacement.

9. Maintenance

For the maintenance manual of the tricycles refer to the Vermeiren website: www.vermeiren.com.