

IMPORTANT INFORMATION

Before you first ride, you must have your bicycle thoroughly checked and adjusted by a professional bicycle technician. This final adjustment will activate your warranty and ensure that your bicycle is optimally adjusted for safety and performance. It is important to read the manual before riding, instructions must be carefully followed for safe enjoyment of this product.

NEVER USE YOUR BIKE WITHOUT FIRST USING THE FOLLOWING 10 POINT CHECK LIST.

1. Tyre pressures correct
2. Centre frame clamp closed and securely tightened
3. Front and rear wheels clamped tight and securely tightened
4. Front and rear brakes function correctly
5. Seat stem & saddle adjusted and securely tightened
6. Handle bars securely tightened in the correct position
7. Pedals are securely tightened
8. Front and rear lights function correctly
9. The pedal assist electrical system is functioning correctly
10. All other nuts, bolts and clamps are securely tightened

For recharging the battery, follow the instruction supplied with the battery charger.

NEVER PUT ANYTHING INTO THE CHARGE PORT - THIS WILL CAUSE IRREPARABLE DAMAGE.

NEVER LEAVE THE BATTERY ON CHARGE UNATTENDED.

BATTERY CARE

Keep your lithium battery charged

Lithium batteries are generally best kept fully charged, even after journeys of just a few miles. Completely discharging a lithium battery regularly will significantly reduce its ability to hold a charge, diminishing its capacity and life. If you do “flatten” your battery you should fully re-charge it as soon as possible. We recommend that you regularly top up the charge on your battery even if only used for short journeys and if you plan not to use the bike for a period greater than 1 month you should remove the battery from the bike, fully charge it and then continue to top up every month thereafter. Allowing your battery to fully discharge and not recharging as described will seriously damage your battery and may lead to you not being able to recharge it at all. The electric bike battery does not have to be completely discharged before it is recharged. A Lithium battery has no “memory” and therefore can be charged at any time. On the first charge you should charge for a minimum of 5-8 hours until the green is showing. Please refer to your battery charger document for safe charging and charging times.

Keep your electric bike battery clean and dry

There is little danger from a wet battery however we do not recommend riding in heavy or driving rain. Contacts on the battery should be dried to avoid oxidation and corrosion which would weaken the ability of the battery to power the bike. Check the contacts every few months and clean if necessary.

Keep your lithium batteries cool

The lithium powder inside the battery cells decreases its electrical resistance as it warms up. This means that in warmer conditions your battery will discharge more quickly and will need charging more often.

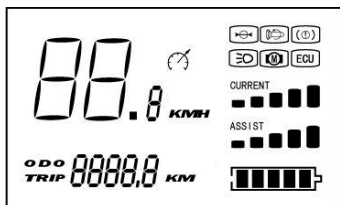
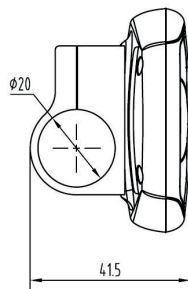
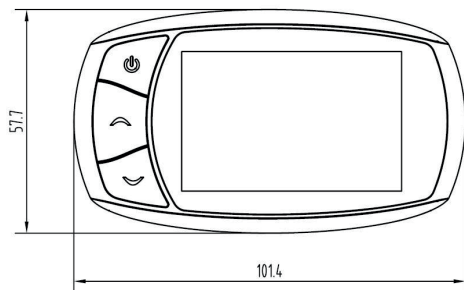
You should notice that on cold days your bike will travel less distance, this is due to this same property of lithium powder - its resistance increases with colder conditions. This means that you will travel further on warmer days. A lithium battery is best stored in cool / cold conditions.

Never open an electric bicycle battery

Opening a lithium battery is very dangerous! Lithium powder is extremely flammable and will combust on contact with oxygen, explosively! If you suspect your battery is faulty or has lost its capacity you will have to return it for testing.

TC-480 DISPLAY UNIT

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


Functions of TC480 control panel:

Operation voltage 24v-48v


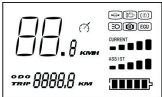


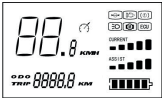
- Battery indicator
- Auto dormancy
- 5 Speed PAS
- Instantaneous power display
- Speed reading (KMH)
- ODO/TRIP (KM)
- Lights on indicator
- Breaks on indicator
- Power assist level
- User input current

Before the control panel can be used the power must be on at the battery.









TC-480 DISPLAY UNIT

Display	Function	Description
	Speed	Speed, display unit in KM/H.
	ODO/TRIP	ODO for accumulative total mileage. Trip for single mileage. Switch with function key.
	Battery indicator	Residual electricity display.
	Cruise identification	Display for cruise state.
	Wheel diameter set	Set by manufacturer, for setting wheel diameter.
	Throttle fault	Shows when the throttle is abnormal.
	Brakes on indicator	Shows when the brake is on.
	Lights on indicator	Shows when the lights are on.
	Motor fault	Shows when the motor has a fault.
	Controller fault	Shows when the controller has a fault.
	Current indicator	Displays the level of current produced.
	PAS indicator	Displays the power assist level






TC-480 DISPLAY UNIT

Key	Operation	Display	Function	Description
	1x Briefly		ON	Press to turn on control panel. Turn on/off illumination with one press.
	1x briefly		Turn on/off the head lights	Press to turn on/off the bike lights front and rear. Control must be turned on first.
	2x Briefly		Trip mileage reset	1 Brief pree followed by 1 continuous press to rest trip mileage.
	1x Long		OFF	Press and hold to power off the display.

TC-480 DISPLAY UNIT

Key	Operation	Display	Function	Description
	1x Briefly		PAS increase	Each press increases the power assist level by one.
	2x Briefly		ODO mileage	1 Brief press followed by 1 continuous press, ODO mileage is displayed.
	1x Long		ODO mileage reset	Long press for 2 seconds ODO mileage reset.
	1x Briefly		PAS decrease	Each press decreases the power assist level by one.
	2x Briefly		Trip mileage	1 Brief press followed by 1 continuous press, trip mileage is displayed.
	1x Long		6KM/H	Press and hold to enter 6km/h implement mode.

TC-480 DISPLAY UNIT

Key	Operation	Display	Function	Description
	1x Long		Wheel diameter	See the description below
<p>Wheel diameter settings: Press the speed increase and speed decrease buttons at the same time for 5 seconds to enter the wheel diameter settings. In the upper right corner the wheel diameter adjust icon will appear. </p> <p>The display will show the default wheel size already set for the bike. The wheel size can be adjusted using the increase and decrease arrow buttons. To confirm the wheel size setting press and hold the increase and decrease arrows for 5 seconds. The display will revert back to 0.0 and the wheel diameter adjust icon will disappear from the top right corner.</p>				
	1x Long		Speed limitation	See the description below
<p>Speed limitation settings: Press the speed increase and the power on buttons at the same time for 5 seconds to enter the speed limitation settings. The default speed will be displayed and flash indicating the control is ready to be set. Using the increase and decrease arrows the speed can be set to values: 17 - 40.</p> <p>When the desired speed limitation has been set press and hold the speed increase and the power on buttons at the same time for 5 seconds. The display will revert back to 0.0 and the wheel diameter adjust icon will disappear from the top right corner.</p> <p>NOTE: The speed limitation setting allows the motor to continue assisting up to the set speed before cutting off user input is required to reach the set speed. * Power + Down, will toggle KPH and MPH.</p>				

IMPORTANT SAFETY INFORMATION BEFORE CHARGING

Before you first use the charger please read the following notes regarding safety carefully!

WARNING

Keep the charger away from children!

In order to prevent any possible injury this charger should only be used for the original lithium battery which is supplied. Any other battery is not compatible and risks to explode while charging, causing serious injury to people as well as damage to other equipment.

Please make sure that the charger is always kept dry and does not get wet at any time.

Should there be an incidence of contact with water or any other liquid, make sure to unplug the charger immediately from the power socket and have it inspected by a specialty dealer.

Make sure the charge is always placed on a flat surface when in use.

Please make sure that the charger is always unplugged and removed from the power socket when not in use.

Before using the charger, always make sure that the plug and the cables are not damaged. Never connect a damaged cable or plug to the power socket.

Never try to disassemble the charger. Wrong re-assembling could cause an electric shock and serious injury. Always unplug the charger before cleaning it.

The charger should only be cleaned with a dry cloth. Never use a wet cloth, oil or any other liquid.

Do not use an extension cable. Only use the original cable supplied with the charger.

CHARGER FUNCTIONS

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Only use the supplied charger.

This charger is designed to work specifically with the supplied **Samsung /Panasonic** battery that comes with your electric bike.

The battery can be charged either directly into the bike or the battery can be removed using the supplied keys.

LED INDICATION AND CHARGING CYCLE	
LED	MODE
GREEN	The battery is not connected
RED	The battery is charging
GREEN	The battery is charged, the charger switches off

TROUBLE SHOOTING:

Should there be any difficulties with charging please check if:

- The power cable is connected properly.
- The charger plug or the battery socket is damaged.
- The battery shows any damage on the surface.
- The power socket works and whether the correct voltage is provided.

(If necessary, plug in another gadget and check),

Should the problem persist, please contact the shop where the e-bike was purchased.