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TECHLIFE X6 Electric Scooter Exhibition User Manual

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TECHLIFE X6

X6 Electric Scooter Exhibition



User Manual

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Technical Specifications

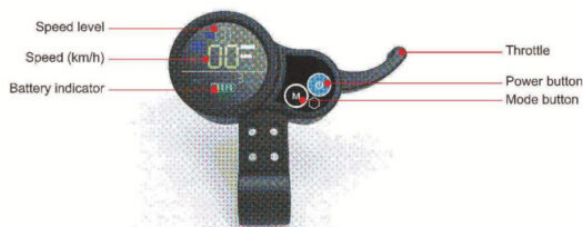
Model	TECHLI FE X6
Battery	48V 13Ah
Tyre	9-inch pneumatic front & rear
Brakes	Front disc brake & rear drum brake
Max Range*	~45 km
Top Speed (Limited to)	45 km/h (25 km/h)
Weight	18 kg
Suspension	Front spring & rear hydraulic suspension
Lights	Front and rear lights
Controller	25A controller
Motor Power	600W gearless motor
Max. Load	120 kg

*Range may vary depending on rider weight, riding style, and terrain.

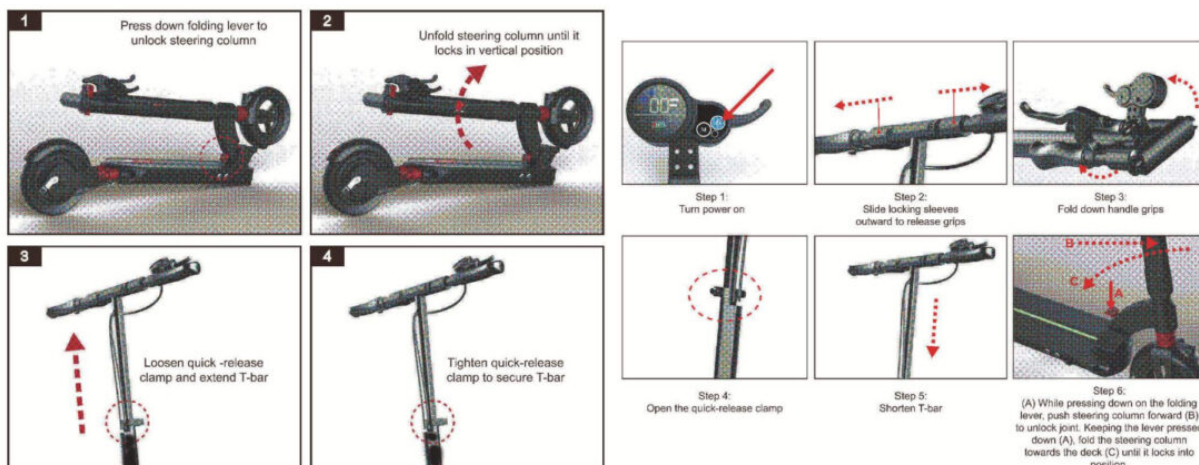
Getting Started

Basic operation:

Power On/Off	Press the POWER button for 3 seconds to turn on/off the scooter. The scooter turns off automatically if not used for 90 seconds.
Speed Control	While stationary, and with the power on, press the MODE button to cycle through the three different speed levels 1 to 3. Use the throttle to control the speed within each speed level.
Headlight	While power is on, press and hold the MODE button for about 3 seconds to turn on or off the headlight.
Mileage & Other data	While stationary, and with the power on, press the POWER button to cycle through the following data: ODO (lifetime mileage), TRIP mileage, VOLTAGE level, ELECTRICAL CURRENT level, and ERROR CODE



Unfolding



Instructions for Battery Usage

First Charge

It is important to fully charge the battery before your first use of the scooter.

Features of the battery

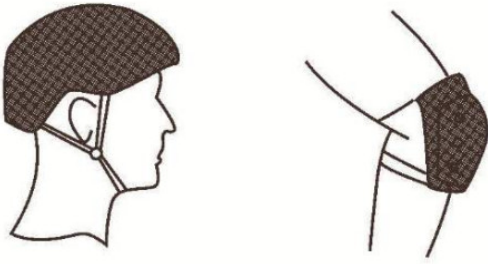
Your scooter's battery comes with these built-in features:

1. Balanced charging protection: During charging, the battery automatically balances the voltage among the internal cells to protect each cell.
2. Over-charging protection: The battery stops charging automatically when full to protect against damage.
3. Overcurrent protection: The battery automatically stops charging if the voltage is higher than the prescribed voltage to protect the battery.
4. Over discharging protection: The battery automatically stops discharging when its voltage drops below 44V to protect the battery.
5. Short-circuit protection: the battery automatically stops output in the case of a short-circuit.
6. Auto sleep: The battery automatically enters sleep mode if there is no load for 20 minutes to conserve power.

How to charge

1. Ensure that scooter is TURNED OFF. Connect external power charger to scooter r.
2. Connect the charger to an electrical outlet, then turn on the power of the electrical outlet.
3. Do not charge the batteries in temperatures below 5 °C or above 40 °C. The battery may stop the charging process.

Safety



1. Always wear protective equipment like a safety-certified helmet, gloves, elbow guards, and knee guards.
2. Do not ride on rough, unpaved, or uneven surfaces. Do not ride on surfaces with ice, snow or water.
3. Not suitable for riders below 15 years or above 60 years old. Minors must be supervised.
4. Do not ride when under the influence of alcohol or other intoxicating substances.
5. Avoid riding On cold winter days.
6. Do not ride on rainy days.
7. Slow down on slopes; do not ride on slopes steeper than 15 degrees in gradient.
8. Before riding, always do a visual inspection to check that all nuts and bolts are secure; that there is enough tire pressure that the tires are not worn out; that the brakes are functioning properly.
9. It Is your responsibility to know and follow the laws governing the use of electric scooters in the country you ride in.

Care & Maintenance

Cleaning & Storage

Before cleaning, be sure to turn off the scooter and disconnect it from the wall electrical outlet.

Close the charging port to reduce the chances of water entering it, causing damage or electric shock.

Remove dirt or dust with a damp cloth. For stubborn dirt, scrub with a toothbrush and wipe clean with a damp cloth. Scratches on plastic parts can be removed or reduced with sandpaper.

Do not use alcohol, petrol, kerosene, or other corrosive chemicals to clean the scooter. Never spray water directly onto the scooter with a hose.

Store the scooter indoors in a cool, dry place. Storage in high or low temperatures, in direct sunlight, or exposed to the weather will damage the scooter and its battery.

Maintenance and care of the battery

1. To avoid damage or injury, do not replace the battery with that of another model or brand.
2. Do not touch, dismantle or puncture the battery. Do not allow the battery to come into contact with metal objects.
3. Only use the original charger supplied with this scooter. Do not attempt to charge the scooter with any other charger.
4. After using the scooter, fully charge the battery before storing it to prolong the lifespan of the battery.
5. Do not store the scooter or battery in temperatures higher than 50 °C or lower than -20 °C.
For example, do not store the scooter in a car exposed to the sun or in winter.
6. Do not dispose of the battery in fire.
7. If the scooter will not be used for more than 30 days, fully charge it before storing it in a cool, dry place. The unused scooter should be fully charged once every 60 days, otherwise, the battery may be damaged or may fail. Such battery failures are not covered by a warranty.

IMPORTANT

Always recharge the battery before it is fully depleted.

Over-discharging shortens the lifespan of the battery.

The battery range is reduced at low temperatures. For example, at -20.° C, the battery range may be less than half that at normal temperature. If the battery is not charged for a long time, it may no longer be usable. The fully charged battery will be completely discharged in 120 to 180 days even without use. Damage from such cause is not covered by warranty.

Never disassemble the battery because there is a risk of short circuit and injury.

Error Codes

Error Code	Fault	Diagnostic Step	Resolution
00	Normal Status	Normally ok: Turn off and on the scooter to see if the error persists	Normally ok
2	Brake	Check the brake lever on the handlebar and see if the brake springs back all the way	Give the brake lever a few hard-pressed to ensure that it not stuck: jammed, then unclog the source of the jam
		Check the brake caliper to see if the brake line is springing back to its original position	If the brake caliper is not springing back, spray some WD40 to make sure it springs back to original position
6	Battery Undervoltage	P03 and a full P15; Give battery LCD setting P03 charge to see if the issue persists	P03 should be in accordance to the voltage specified in the user manual. P15 should be the specified voltage – 6V
7	Motor Fault	Unplug and plug the motor connector back in to see if the issue persists	If the problem is resolved, then make sure the connector is pushed in all the way.
		If the issue persists: check the motor wire and connector pins to see if there are any issues	Either replace the motor or replace the motor wire.

Error Code	Fault	Diagnostic Step	Resolution
8	Turnstile Fault	Check if back screw or magnet has come loose in the throttle/LCD	Tighten back screw or replace the magnet in the throttle
9	Controller Fault	Replace controller	Replace controller
10	Communication Receiving Fault	Unplug and plug in the LCD connector and see if issue persists; IF the issue persists, then wiggle the LCD wire in different directions to see if the problem persists	A change of wiring hardness from LCD to controller might be needed if the issue persists
11	Communication Transmission Fault	Unplug and plug in the controller connector and see if issue persists; IF the issue persists, then wiggle the LCD wire in different directions to see if the problem persists	A change of wiring hardness from LCD to controller might be needed if the issue persists
12	BMS Communication Failure	Check if battery is able to charge; if the battery is able to charge, then check the connector of the battery to controller;	If the problem persists, then a battery change might be necessary

Limited Warranty

BY USING THIS PRODUCT YOU AGREE TO THIS LIMITED WARRANTY. PLEASE READ THIS LIMITED WARRANTY CAREFULLY.

To benefit from the limited warranty, the customer is advised to read Falcon PEV Pte Ltd ("Falcon") Limited Warranty terms together with the "care and maintenance" sections provided in the user manual. This limited warranty applies to the extent permitted by law and unless restricted or prohibited by law.

Limited Warranty Details

- Falcon warrants that Falcon scooter products ("Products" or "Product") are free from defects in material and workmanship, according to the following terms and conditions:
- This Limited Warranty extends to the original purchaser of the Product warranted under this warranty and to each transferee of the Product during the first _months beginning on (date) as stated below ("Warranty Period").
This Limited Warranty covers the Product and each of its following component parts ("Components") only:
 - Hub motor;
 - Battery packs (except if the battery was short-circuited or seals of the battery enclosure or cells were broken or were tempered or the battery was used in equipment other than its intended use);
 - Controller;
 - Throttle and battery indicator unit;
 - Charger unit; and
 - All other electrical wiring and components.
- During the Warranty Period, Falcon or its authorized service centers will repair or replace, at Falcon's option and without costs to the customer, any defective Components with new or factory rebuilt replacement items, and return the Products to the customer in working condition, provided that the terms and conditions of this Limited Warranty are met. All defective Products or Components that have been replaced shall become the properties of Falcon.
- Products and/or components that have been repaired or replaced pursuant to the paragraph above will be covered by this Limited Warranty for the balance of the Warranty Period.
- This Limited Warranty will only be effective when presented together, to either Falcon or its authorized centers, with proof of date and place of purchase of Products such as the purchase receipt.

What this Limited Warranty does not cover:

- Products used for commercial purpose(s) including but not limited to leasing/hiring, use in competitions etc
- Any logistical costs of returning the Product to Falcon or its authorized service centers for servicing or the cost of returning the Product to the customer after servicing.
- Defects or damages resulting from the use of the Product(s) other than its normal and customary manner as stated in the user manuals accompanying the Products.
- Defects or damages from improper storage, exposure to moisture or dampness, modifications, connections, repairs (except as carried out by Falcon or its authorized centers), misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Falcon, including damage caused by dropping, blown fuses, spills of food or liquid.
- Defects or malfunctions of the product not notified by the customer during the Warranty Period.
- Products that have had their serial numbers removed or tampered with.
- This Limited Warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.

Disclaimer:

- The customer understands the risk of serious injury or death in the operation of such products and shall agree to take the necessary precautions and exercise good judgment to avoid hazards and dangerous situations which may result in serious injury or death.

2. The customer shall agree to indemnify and hold harmless Falcon from all injuries or death arising from the operation of the product.
3. The use of safety and protective gear such as bicycle helmets is strongly encouraged. And so is the use of Good Judgement.

Documents / Resources



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Related Manuals / Resources



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ES18 Lite Electric Scooter 1 4 2 3 5 6 7 8 Brand Model Motor Battery Tire Controller

[GOTRAX Electric Scooter Documentation](#)

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