

[Manuals.plus](#) /

> [Varstrom](#) /

> Varstrom Electric Bicycle 700C User Manual

Varstrom 700C

Varstrom Electric Bicycle 700C User Manual

Model: 700C

INTRODUCTION

Thank you for choosing the Varstrom Electric Bicycle 700C. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your electric bicycle. Please read this manual thoroughly before using your bicycle and retain it for future reference. This electric bicycle is designed for urban and long-distance travel, offering reliable performance and comfort.

SETUP AND INITIAL ASSEMBLY

Your Varstrom Electric Bicycle is delivered approximately 85% pre-assembled. The remaining assembly steps are straightforward and typically involve attaching the front wheel, handlebars, pedals, and seat. Ensure all components are securely fastened before your first ride.

Included Components:

- Varstrom Electric Bicycle (85% pre-assembled)
- 36V 10Ah Battery
- 3A Charger
- Front Light
- Rear Fender
- Bell
- Integrated Rear Rack

Assembly Steps:

1. **Unpacking:** Carefully remove the bicycle and all components from the packaging.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Front Wheel Installation:** Install the front wheel, making sure the quick-release skewer or axle nuts are properly tightened. Verify that the brake rotor is correctly seated in the caliper.

4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten them firmly with a wrench. Note that the left pedal has a reverse thread.
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Secure the quick-release lever or bolt.
6. **Battery Installation:** Insert the 36V 10Ah battery into its designated compartment on the frame. Ensure it clicks into place or is locked securely.
7. **Pre-Ride Check:** Before your first ride, inspect all bolts and quick releases for tightness. Check tire pressure, brake function, and ensure the lights and bell are operational.

OPERATING INSTRUCTIONS

This section details how to operate your Varstrom Electric Bicycle, including its display, pedal assistance, and gear system.

Powering On/Off:

- To power on the bicycle, press and hold the power button on the DM05 UART LCD display.
- To power off, press and hold the power button again.

DM05 UART LCD Display:

The DM05 UART LCD display provides real-time information about your ride:

- **Pedal Assistance Level:** Shows the current level of motor assistance (0-5).
- **Battery Level:** Indicates the remaining battery charge.
- **Speed:** Displays your current riding speed.
- **Distance:** Shows the distance traveled during your current ride or total odometer.

Pedal Assistance System (PAS):

The bicycle features a 5-stage pedal assistance system. Use the '+' and '-' buttons on the display to adjust the assistance level. Level 0 provides no motor assistance, allowing for manual riding. Higher levels provide more motor power, making pedaling easier.

8-Speed Transmission System:

The 8-speed gear system allows you to adapt to various terrains and riding conditions. Use the shifter on the handlebars to change gears. Shift to lower gears for climbing hills and higher gears for flat roads or descents to maintain an efficient pedaling cadence.



EBIKE LAMP

Equipped with front and rear tail lights. make your night riding safer

Headlight

Rear Reflector



HANDLEBARS

Ergonomically designed handlebars make your riding more comfortable

With integrated **Rear Rack** Designed

Aluminum alloy Material is weather-resistant and qualitatively lightweight, sturdy and durable.

Max Load **30KG**



Image: The 8-speed transmission system provides versatile gearing for smooth rides and efficient speed control.

Braking:

The bicycle is equipped with front and rear disc brakes. Apply both brakes simultaneously for effective and controlled stopping. Disc brakes offer strong and responsive braking performance, even in wet conditions.

700C*40C Wheel Size

Provides excellent traction and stability, ensuring a comfortable ride on any terrain.



Image: Hydraulic disc brakes provide stronger, safer stopping with a shorter braking distance and effortless, precise control in all conditions.

Lights and Bell:

The integrated front light and rear reflector enhance visibility during low-light conditions. Use the bell to alert pedestrians and other cyclists of your presence.

PARAMETER



Motor
36V 250W Hub Motor



Fender
Included



Battery
36V 10AH



Front Light
Included



Frame
A6061 Aluminum alloy



Rear Light
Included



Transmission system
8 Speeds



Rear Rack
Included



Display
DM05



Bell
Included



Assistance
5 Pas Level



Max Speed
25KM/H



Chainwheel
32*48T*170MM



Range
40-50KM
(Pure electric mode)



Tires
700C*40C

90-120KM
(Assistance mode)

Image: The e-bike is equipped with front and rear lights for safer night riding, ergonomically designed handlebars for comfort, and an integrated rear rack with a 30kg max load capacity.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Varstrom Electric Bicycle.

Battery Care:

- **Charging:** Use only the provided 3A fast charger. The detachable battery allows for convenient charging at home or in the office. A full charge typically takes 5-6 hours.
- **Storage:** If storing the bicycle for an extended period, charge the battery to 50-70% and store it in a cool, dry place. The automatic deep sleep mode (after 1 hour of inactivity) helps extend battery life.
- **Temperature:** The battery is designed for stable performance from -10 °C to 40 °C. Avoid extreme temperatures.
- **Water Resistance:** The battery has an IP54 waterproof rating, offering protection against splashes. Avoid submerging the battery or exposing it to heavy rain for prolonged periods.

Hydraulic Disc Brakes

Stronger, safer stopping with a shorter braking distance and effortless & precise control in all condition.

25%

Shorter Braking
Distance

30%

Faster
Response

50%

Less Braking
Effort



Image: The removable 36V 10Ah battery features BMS safety protection, a travel range of 50-80km, 5-6 hours fast charging, and IP54 waterproofing.

Tires:

The 700C K198 tires are puncture-resistant, reducing the frequency of flats. Regularly check tire pressure and inflate to the recommended PSI (indicated on the tire sidewall) for optimal performance and to prevent punctures.

8 Speeds Transmission System



Versatile gearing provides smooth rides and efficient speed control



Image: The 700C*40C wheel size provides excellent traction and stability, ensuring a comfortable ride on any terrain.

General Bicycle Maintenance:

- **Cleaning:** Clean the bicycle regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Brake Check:** Periodically check brake pads for wear and ensure brake levers are responsive. Adjust as needed.
- **Fasteners:** Regularly check all bolts and fasteners for tightness, especially after the first few rides.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your electric bicycle.

No Power to Display/Motor:

- Ensure the battery is fully charged and correctly installed.
- Check all electrical connections for looseness or damage.

- Verify the power button on the display is pressed and held correctly to turn on the system.

Motor Not Assisting:

- Check the pedal assistance level on the DM05 display. Ensure it is set to a level above 0.
- Confirm the battery has sufficient charge.
- Ensure the brake levers are not partially engaged, as this can cut motor power.

Difficulty Shifting Gears:

- Check if the chain is clean and properly lubricated.
- Inspect the derailleur and shifter cables for any damage or looseness.
- If issues persist, professional adjustment may be required.

Brakes Squealing or Ineffective:

- Clean brake rotors and pads to remove any dirt or oil.
- Check brake pad wear. Replace worn pads as necessary.
- Ensure brake calipers are properly aligned.

For issues not covered here or if troubleshooting steps do not resolve the problem, please contact customer support.

SPECIFICATIONS

Detailed technical specifications for the Varstrom Electric Bicycle 700C.

Feature	Specification
Brand	Varstrom
Model	700C Electric Bicycle
Motor	36V 250W Brushless Rear Hub Motor
Battery	36V 10Ah L*/G Cell 21700 5000 mAh (Removable)
Charger	3A Fast Charger (5-6 hours full charge)
Max Speed	25 km/h (EU compliant)
Range	60-80 km (Pedal Assist), 40-50 km (Pure Electric Mode)
Frame Material	A6061 Aluminum Alloy
Max Load Capacity	120 kg
Wheel Size	700C*40C
Tires	K198 Puncture-Resistant
Gears	8 Speeds
Brakes	Front and Rear Disc Brakes
Display	DM05 UART LCD Display (5-level PAS)

Suspension	Front Fork (A6061 Aluminum Alloy)
Included Accessories	Front Light, Rear Fender, Bell, Integrated Rear Rack (Max 30kg)
Assembly Required	Yes (85% pre-assembled)

Removable Battery 36V 10Ah



BMS

Safety Protection



50-80KM

Travel Range



5-6h

Fast Charging



IP54

Waterproof



Image: The brushless hub motor provides 36V 250W power with a built-in Hall sensor, offering a top speed of 25 km/h, 8 speeds, max slope of 30 degrees, and max torque of 40 N.m.

WARRANTY INFORMATION

Please refer to the warranty card included with your purchase or contact the seller for specific warranty terms and conditions. Typically, electric bicycles come with a limited warranty covering manufacturing defects for a specified period from the date of purchase. This warranty usually does not cover normal wear and tear, misuse, accidents, or unauthorized modifications.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your Varstrom Electric Bicycle, please contact the seller or manufacturer's customer support. Have your purchase details and product model number (700C) ready when contacting support to ensure efficient service.