

BAFANG

EN



USER MANUAL

H550 Drive System

Original instruction manual





Read carefully before use. Keep for later reference.

BF-UM-S-H550-EN, May 2023

SYMBOL INSTRUCTION




If you see the following symbols there is always a possibility of danger.

The warning symbols are as follows:

-  **Note:** This symbol indicates information about how to use the product and highlights specific parts of the User's Guide that are important.
-  **Caution:** This symbol warns against misuse of the products that can lead to it being damaged or polluting the environment.
-  **Danger:** This symbol indicates possible health and safety hazards that may arise, if certain measures are not taken into consideration.
-  **User Manual:** Please read the manual before using the pedelec. If you are not sure about any of the topics in the manual, please contact your retailer for assistance.

If you see the following symbols there is a function of the system.

The function symbols are as follows:

-  **Power on/off:** Switch on/off the system by pressing and holding the button.
-  **Light:** This symbol lights up on the display to indicate the headlight and taillights are activated.
-  **Assistance mode:** This symbol lights up on the display to indicate the push assistance is on.

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1 GUIDE

1.1 Quick start

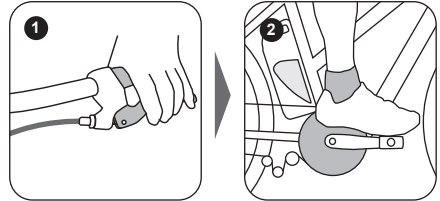
i This section provides important information and instructions that will allow you to use your pedelec in a safe manner. First, please read the safety instructions to find out about the legal regulations that apply to you.

! **Perform all safety checks in accordance with the "Before each trip" section.**

- Fully charge the battery.
- Make sure the battery is securely locked.
- Please make sure your pedelec is adapted to your needs.
- To start the system, press and hold the "⏻" button on the control panel for 3 seconds.
- Select the support level.

! **The pedelec is now ready for operation.**

i Always press the brakes of your pedelec before placing your foot on the pedal! The motor starts assisting as soon as you start pedaling. Without the correct procedure, the pedelec can suddenly start, which can lead to injuries.



! Practice using the pedelec in a quiet and safe environment. It is important to learn the characteristics of the pedelec before you drive on public roads.


! Please also take note of additional user manuals that you received when you bought your pedelec.

1.2 Before Each Ride

i Do not try to ride the bike if you think that your pedelec might be defected. Before the first ride, please make sure that the retailer has checked the complete bike before handing it over to you. It is also recommended to have all components of the bike checked regularly, especially if you ride on a regular basis. If you mistreat the pedelec, it can lead to accidents and injuries.

i Please check the pedelec after an accident or if your pedelec has fallen over.

2 IMPORTANT NOTICE


 Be sure to follow the instructions in the manual when using this product.

- If you are lending your pedelec to third parties, please give them the instruction manual along with the pedelec.
- Read the instruction manual carefully and keep it in a safe place, for future reference.

2.1 For Your Safety

- This product is not suitable for people with physical, sensory or mental disabilities, or children and adults without the necessary experience. Otherwise, the pedelec must be used under the supervision of the guardian responsible for their safety.
- The use of the pedelec is not suitable for children under 14 years of age.
- Before driving, make sure you are familiar with the original features of the pedelec.
- For safety reasons, do not try to focus too much on the display of the pedelec whilst driving. This can be distracting, which can lead to sudden accidents.
- Regularly check the battery charger for damage. Inspect cables, plugs and housings. If damage is detected, do not use the charger until it has been checked or repaired.
- Do not change the system without authorization, otherwise errors may occur which may result in an accident. Also, this can void the warranty.
- This product is waterproof for all types of weather. However, it is strongly recommended not to intentionally submerge the product in water or clean it with a steam jet.


2.2 Pedelec modifications are prohibited


 Do not change the pedelec drive system in any way shape or form. Any operation of the pedelec to improve performance or speed can cause legal problems and make the operation of the pedelec unsafe for use. Also, this can void the warranty.


Legal Implications:

- Before using the pedelec, familiarize yourself with the applicable laws and regulations, as well as with the road traffic code in your Country of origin.
- The performance and warranty of the pedelec are regulated by the manufacturer.





2.3 Installation and Maintenance

 Make sure that the charger is disconnected from the mains before removing from the pedelec. Remove the battery before working on/maintaining the pedelec. Otherwise, it can lead to serious injuries and electric shocks.


 After a fall or accident, the electrical components may be damaged. If you notice damage to the battery, remove the battery immediately, place it in a safe location and contact your retailer.

 Do not replace components, remove or open modules unless you are performing operations described in this Manual. If you have any questions about your system or components, please contact your authorized retailer first. If the battery charger, cable or components are defected or worn out, the components must be replaced. Please use the manufacturer's original


spare parts. Otherwise, the warranty will be void. The use of non-original or incorrect spare parts may cause the pedelec to malfunction. If the product has a defect, please contact your retailer for a replacement part. The authorized retailer can only use the original spare parts from Bafang for maintenance.


-  Do not use no high-pressure water jet or submerge in water to clean pedelec. This can cause water to enter into the electrical components or the drive system and short circuit or damage the system.
 -  Dispose of the pedelec/battery according to the rules and regulations of your country's origin. For more information please contact an authorized recycling center or your retailer.
 -  Depending on riding conditions and the frequency of use, the service interval may vary. Please keep in mind that the chain should be regularly treated with a suitable chain spray. Under no circumstances should an alkaline or acidic detergent be used to remove rust. When this detergent is used, it can damage the chain or other parts of the pedelec resulting in injury or damage.
 -  Only trained personnel can maintain or repair the product.
- Remove the battery during transport and store the battery in a safe and dry place.
 - Use this product carefully to allow a long service life.
 - It is advised to write down the battery key number and keep it safe, in case of damage or loss.
 - Natural wear and aging of the system is common after a period of time.

2.4 Laws and Regulations

-  Please observe the relevant road traffic rules and regulations of your country.



Before driving on public roads, please read the applicable countries regulations carefully. The use of pedelecs on public roads must comply with local regulations. Contact your local road traffic authority for more information.



-  Incorrect operation of the drive system, battery, charger or drive components can result in injuries. In this case, the manufacturer may refuse liability for the damage caused. Unauthorized changes to the pedelec system can lead to criminal offences, such as a change of the speed limit.

-  Please note the following information:

- Please ensure that the light sensor is in working order, before setting off.
- Please ensure that the braking system is operational before setting off.

3 VEHICLE TRANSPORT

-  Remove the battery during transport and store the battery in a safe and dry place.
-  Do not transport a battery without the correct procedure. Batteries are subject to hazard group 9 and are subject to a separate transport regulation. Please contact an authorized retailer or freight service provider. The battery can be damaged, burned or even explode if handled incorrectly.

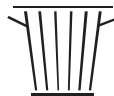
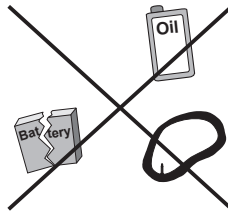
-  When transporting the pedelec by train, the relevant laws and regulations must be complied with. Before using public transport, please find out which means of transport are suitable for transporting the pedelec. It is recommended to remove the battery from the pedelec before transport.
-  When transporting your pedelec, first Remove the battery and keep it in a safe place so it does not move whilst driving. When transporting your pedelec please be sure to use a pedelec carrier.

4 ENVIRONMENTAL TIPS AND HANDLING REQUIREMENTS

General cleaning and maintenance: take environmental aspects into consideration when maintaining and cleaning the pedelec. The product and detergents should be biodegradable. Use these products at any time just, please make sure that no cleaning agent does not get into the sewage.

The battery

Battery used in the pedelec is subject to the Battery Ordinance and may only be disposed of in accordance with the applicable regulations.



5 GUARANTY

i All warranty and guarantee conditions are subject to applicable laws and regulations from your brand.

The condition for warranty and guarantee claims is that the instructions for the system are followed carefully.

Liability for material defects does not include normal aging or wear and tear.

Warranty and warranty exclusions:

- Modification, manipulation or improper repair of the product.
- Improper use of the product.
- Damage caused by inconvenience, misuse, negligence, incorrect installation, improper repair, incorrect maintenance or improper use.
- Modifications of the surface structure.
- Damage caused by improper transport or storage caused by the buyer.
- Damage caused by force majeure.
- Removal or alterations of serial number, plates or product markings.

6 USER MANUAL FOR H550 (RM G062.250.DC)



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6.1 INTRODUCTION



- **Product Model**

RM G062.250.DC

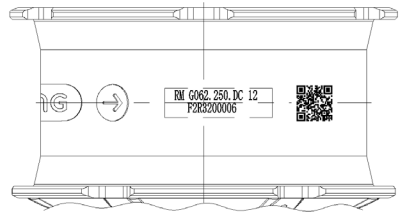
- **Scope**



Applies only to electrically powered pedelecs developed or licensed by Bafang. It is suitable for fat bikes or all terrain bikes, which have been developed for off road on gravel or sand use. The engine is not suitable for sport competitions.

- **Identification**

The following graphic, is the identification numbers of the product, which are shown on the housing:



Note: Content in the label is important information about this product. Please do not remove the information from the motor.

6.2 SPECIFICATIONS

Motor model: RM G062.250.DC

Rated power (W)	250
Rated voltage (V)	48
Waterproof	IP65
Certification	CE - EMC
Outdoor Temperatures	-20 °C~45 °C

6.2.1 Surface

Shockproof black coating

6.2.2 Storage Information

The pedelec should be stored in a ventilated dry room. Avoid storing the pedelec near strong magnetic objects.

6.3 MAINTENANCE

- Maintenance must be carried out by authorized personnel with the correct equipment.
- Do not disassemble the motor.
- Do not use thinners or other solvents to clean the components. Such substances can damage the surfaces.
- Avoid water submerging, to keep the components protected.
- Avoid using high-pressure cleaning jets.
- For prolonged storage, turn off the battery and avoid storing near heat sources.

7 USER MANUAL FOR DP E161.CAN



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7.1 IMPORTANT NOTICE

- If the error information from the display cannot be corrected according to the instructions, please contact your retailer.
- The product is designed to be waterproof. It is highly recommended to avoid submerging the display under water.
- Do not clean the display with a steam jet, high-pressure cleaner or water hose.
- Please use this product with care.
- Do not use thinners or other solvents to clean the display. Such substances can damage the surfaces.
- Warranty is not included due to wear and normal use and aging.


7.2 INTRODUCTION OF DISPLAY

- Model: DP E161.CAN BUS
- The housing material is PC+ABS and acrylic, as following:



- The label marking is as follows:



-  **Note:** Please keep the QR code label attached to the display cable. The information from the Label is used for a later possible software update.

7.3 PRODUCT DESCRIPTION

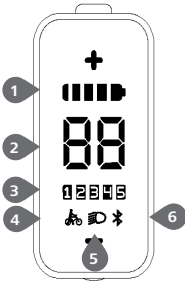
7.3.1 Specifications

- Operating temperature: -20 °C~45 °C
- Storage temperature: -20 °C~50 °C
- Waterproof: IP65
- Storage room Humidity: 30%-70% RH

7.3.2 Functional Overview

- Battery capacity indicator
- Indication of support level
- Walk assistance
- Automatic sensors explanation of the lighting system
- Indication for error messages
- Control and indication of lighting system
- Bluetooth function

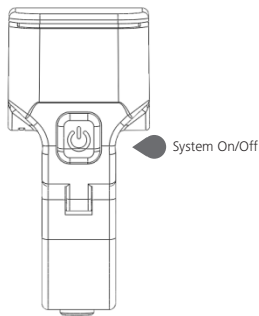
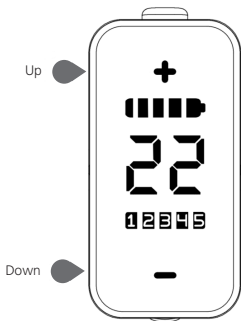
7.4 DISPLAY



- 1 Battery capacity indicator
- 2 Speed indicator
- 3 Support level indicator
- 4 Walk assistance
- 5 Indicator for lighting system
- 6 Bluetooth indicator


7.5 KEY DEFINITION


E161 Display has three buttons: System On/Off  , Up  and Down  .

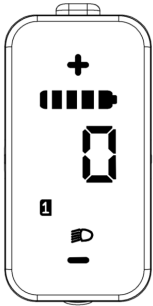


7.6 NORMAL OPERATION



7.6.1 Switching the System ON/OFF

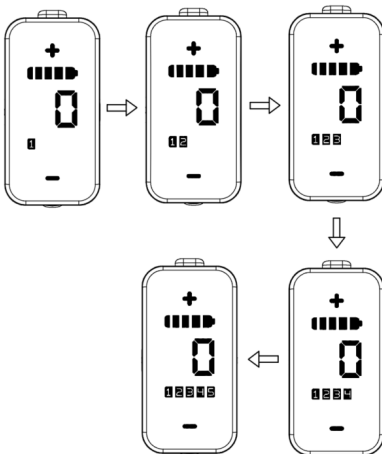
Press and hold  (>2S) on the display to turn on the system.

Press and hold  (>2S) again to turn off the system.





7.6.2 Selection of Support Levels

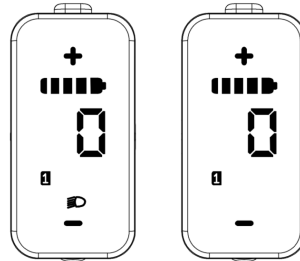
When the display is turned on, press the  or  (<0.5S) button to switch to the support level, the lowest level is 1, the highest level is 5. When the system is switched on, the support level starts in level 1. There is no support at level 0.






7.6.3 Headlights / backlighting

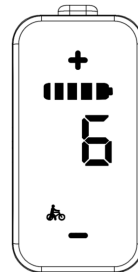
Hold the  (>2S) button to activate the headlight and taillights.

Hold the  (>2S) button again to turn off the headlight and taillight. (If the display is turned on in a dark environment, the display backlight/headlight will be turned on automatically. If the display backlight/headlight are turned off manually, they also need to be turned on manually afterwards)



7.6.4 Walk Assistance

When your Pedelec is motionless, briefly press  button until the Walk assistance indicator  is displayed. At this point, long press  button, the Pedelec enters the walk assistance mode, the indicator will flash. If release the button will stop this, if no any operations within 5s will automatically return to 0 level. That is stopped from the Walk assistance mode.(as following)



7.6.5 Battery Capacity Indication

The battery capacity is indicated with 5 levels. When the lowest level indicator flashes that means battery needs to charge. The battery capacity is shown as follows:

Indication definition	SOC	Example
5 bars	80%-100%	■■■■■
4 bars	60%-80%	■■■■□
3 bars	40%-60%	■■■□□
2 bars	20%-40%	■■□□□
1 bar	5%-20%	■□□□□
1 flashing	<5%	■□□□□

7.6.6 Bluetooth Function

When the mobile phone is connected to the display by Bluetooth, the Bluetooth symbol will be displayed, and the disconnected symbol will disappear automatically.

This display can be connected to the Bafang Go APP through Bluetooth. More information can be viewed on the APP, such as the information of battery, remaining capacity, single-trip distance.



7.7 ERROR CODE DEFINITION

i DP E161.CAN display can provide warning for failures. The error code flickers when an error is detected.

Note: please read carefully the description of the error code. When the error code appears, please first restart the system. If the problem is not eliminated, please contact your dealer or technical personnel.



Error	Declaration	Troubleshooting
04	The throttle has fault.	<ol style="list-style-type: none"> 1. Check the connector of throttle whether they are correctly connected. 2. Disconnect the throttle, If the problem still occurs, please contact your retailer. (only with this function)
05	The throttle is not back in its correct position.	Check the throttle can adjust back into its correct position, if the situation does not improve, please change to a new throttle.(only with this function)
07	Overvoltage protection	<ol style="list-style-type: none"> 1. Remove the battery. 2. Re-Insert the battery. 3. If the problem persists, please contact your retailer.
08	Error with the hall sensor signal inside the motor	Please contact your retailer.
09	Error with the Engine phase's	Please contact your retailer.
10	The temperature inside the engine has reached its maximum protection value	<ol style="list-style-type: none"> 1. Turn off the system and allow the Pedelec to cool down. 2. If the problem persists, please contact your retailer.
11	The temperature sensor inside the motor has an error	Please contact your retailer.
12	Error with the current sensor in the controller	Please contact your retailer.
13	Error with the temperature sensor inside of the battery	Please contact your retailer.

Error	Declaration	Troubleshooting
14	The protection temperature inside the controller has reached its maximum protection value	<ol style="list-style-type: none"> 1. Turn off the system and let the pedelec cool down. 2. If the problem persists, please contact your retailer.
15	Error with the temperature sensor inside the controller	Please contact your retailer.
21	Speed sensor Error	<ol style="list-style-type: none"> 1. Restart the system 2. Check that the magnet attached to the spoke is aligned with the speed sensor and that the distance is between 10 mm and 20 mm. 3. Check that the speed sensor connector is connected correctly. 4. If the error persists, please contact your retailer.
25	Torque signal Error	<ol style="list-style-type: none"> 1. Check that all connections are connected correctly. 2. If the error persists, please contact your retailer.
26	Speed signal of the torque sensor has an error	<ol style="list-style-type: none"> 1. Check the connector from the speed sensor to make sure it is connected correctly. 2. Check the speed sensor for signs of damage. 3. If the problem persists, please contact your retailer.
27	Overcurrent from controller	Please contact your retailer.
30	Communication problem	<ol style="list-style-type: none"> 1. Check all connections are correctly connected. 2. If the error persists, please contact your retailer.
33	Brake signal has an error (If brake sensors are fitted)	<ol style="list-style-type: none"> 1. Check all connectors. 2. If the error continues to occur, please contact your retailer.

Error	Declaration	Troubleshooting
35	Detection circuit for 15V has an error	Please contact your retailer.
36	Detection circuit on the keypad has an error	Please contact your retailer.
37	WDT circuit is faulty	Please contact your retailer.
41	Total voltage from the battery is too high	Please contact your retailer.
42	Total voltage from the battery is too low	Please contact your retailer.
43	Total power from the battery cells is too high	Please contact your retailer.
44	Voltage of the single cell is too high	Please contact your retailer.
45	Temperature from the battery is too high	Please contact your retailer.
46	The temperature of the battery is too low	Please contact your retailer.
47	SOC of the battery is too high	Please contact your retailer.
48	SOC of the battery is too low	Please contact your retailer.
61	Switching detection defect	Please contact your retailer. (only with this function)
62	Electronic derailleur cannot release	Please contact your retailer. (only with this function)
71	Electronic lock is jammed	Please contact your retailer. (only with this function)
81	Bluetooth module has an error	Please contact your retailer. (only with this function)

8 USER MANUAL FOR BT F150.D504/D672.C




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8.1 INTRODUCTION

8.1.1 Battery

 Your pedelec can be equipped with different battery types.


(Depending on the manufacturer's configuration)

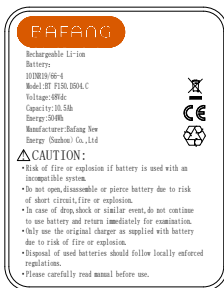
Model numbers:

BT F150.D504.C

BT F150.D672.C



 Before use, read the information on the label of the battery.




Please only use the original BAFANG charger to charge the battery. The battery is not fully charged when it is delivered. Please charge the battery completely before its first use and before storage.


- It is recommended to charge the battery after use. Deep discharge is harmful to the battery. Never fully discharge the battery. If the battery remains uncharged for an extended period, this will damage the capacity of the battery. For storage, the


recommended capacity of the battery should be between (60-80%).


- Do not charge the battery longer than the charging time specified in the "SPECIFICATION" table.


8.1.1.1 Safety instructions

 It is possible for the battery to cause a fire, explosion or hazard if the battery is connected to an incompatible system. Do not open, disassemble or pierce the battery as this can lead to short circuits, leaks, fires or explosions. If the battery falls to the ground, or exposed to a blow or similar event, do not continue to use the battery, take it to your retailer to examine. Use only the original charger supplied with the battery, otherwise it can lead to an explosion or permanent damage. The disposal of used batteries must be carried out at a suitable disposal point.

 **The battery should always be kept out of reach of children. The use of the charger or the battery is not suitable for children.**

 **Do not touch a leaking battery.** Leaking electrolytes can seep into the skin and cause discomfort. If battery acid encounters the eyes, do not rub it! Immediately wash your eyes carefully with clean water and consult a doctor or a hospital.

 **A faulty battery can lead to overheating, smoking or burning.** When the battery gets hot keep yourself and others a safe distance away from the battery. In case of damage or heat, you should avoid touching the battery. See chapter ("Environmental tips").

 **Do not disassemble the battery.** The battery contains protective components to avoid danger. Incorrect handling, such as improper disassembly, can destroy the protective functions and lead to overheating, smoke and explosion.

**Do not intentionally short-circuit the battery.**

Never allow the plus and minus connectors to come into contact with each other. Do not allow the battery to come into contact with metal objects. It is dangerous if the battery is short-circuited. As it can lead to overheating, smoke, explosion or burning.

**Do not heat or burn the battery.**

An overheated or ignited battery can cause battery cells to explode.

**Do not use the battery near heat sources.**

Do not use the battery near an open flame or at temperatures above 60 °C. High temperatures can cause the battery to burn or explode.

**Do not charge the battery near open fire or in direct sunlight.**

This can cause errors or internal problems inside the battery, also damaging the protective function. It can lead to abnormal chemical reactions or malfunctions that lead to overheating, smoke and explosion.

**Do not damage the battery.**

The battery must not be dropped or damaged. This can lead to overheating, smoke and explosion. Never submerge the battery in water.

**Do not charge the battery directly from the socket or a cigarette lighter in the car.**

High voltage and excessive current will damage the battery and reduce its lifespan. It can lead to overheating, smoke and explosion.

8.1.1.2 Battery Storage

If you do not use your pedelec for a long time, remove the battery, and charge about (60-80%) on. Store the battery separately in a suitable dry place.

- Avoid direct sunlight from the sun, as it may cause it to overheat, and cause internal problems in the battery. It can lead to abnormal chemical reactions or malfunctions that lead to overheating, smoke and explosion.

- To prevent a deep discharge, the battery is put into sleep mode after a certain time.
- Do not extend the battery to temperatures below the permissible storage temperature of -10 °C to 35 °C. Note that temperatures of about 45 °C are common near heaters, in direct sunlight or in overheated vehicle interiors.



Do not continue to use the battery if you notice that it gets hot during operation, charging or storage, develops a strong smell, changes its appearance, or is otherwise unusual. Do not continue to use the battery and have it checked by a retailer before using it again.

8.1.1.3 Battery wear

The battery can be charged 500 times. The battery capacity decreases during this time, thus reducing the range of the pedelec. If the range is not enough depending on the capacity of the battery may need to be replaced.

8.1.1.4 Pedelec riding distance

It is best to charge the battery at room temperatures and insert the battery just before the start of the journey. The discharge cycle of the battery can be affected by:

- Used pedal power
- Total weight (load and driver)
- Tire air pressure
- Headwind
- Ambient temperature
- Road/underground condition
- selected speed level
- Slope
- Battery charge level
- Age
- Remaining capacity of the battery

8.1.2 Charger

i The charger is specially designed for charging lithium-ion batteries. It is equipped with an integrated fuse and overcharging protection.

8.1.2.1 Battery charger Instructions

! Read the instructions on the external label of your charger before using the battery.

(BC D203 EU)



(BC D204 UK)



! To prevent the risk of electric shock, you should never open the charger. Maintenance work may only be carried out by qualified service personnel. Be sure to read the information about your charger before use! Unplug the power plug before connecting the battery to the charger or removing it from the charger.

! Keep the charger away from children and animals. In the event of malfunction or damage, it may result in a fire or electric shock.

- The charger must not be operated by children or people with limited sensory or mental disabilities.
- Do not use your charger if it is moist or dusty.
- Avoid direct sunlight.
- Disconnect the charger from the power supply when not in use.
- Use only the original Bafang charger that came with your pedelec.
- Do not cover the charger while in use. There is the possibility of short circuits or fires.
- When cleaning the charger, unplug it from the power outlet first.
- Stop the Charge process if the charging cycle lasts longer than the length listed in the Specifications table.

8.2 OPERATION

8.2.1 Installing the battery

i For correct insertion, the battery must be connected, ensuring all pins are correctly connected to the battery holder. When pushing the battery into position. Make sure that the battery has clicked into the locking mechanism before you set off.

1. Put the battery on the down support.
2. Push the battery into the battery holder, when hears a 'click' sound, that means battery is locked.

8.2.2 Removing the battery

1. Turn the key on the battery holder to open lock.
2. Move out and take out the battery from the holder.

8.2.3 Charging the battery

i Use only the original battery charger supplied to you, as there is a risk of fire or explosion if the incorrect charger is used.

i You can charge your battery when mounted on the bike or when it is removed.

i Lithium-ion batteries are not subject to any memory effect. You can recharge your battery at any time, even after short journeys.

Charge the battery at temperatures between 0°C and 45°C (ideally at room temperature approx. 20 °C). Give your battery enough time to reach this temperature before charging.

i Before charging, read the instructions on the charger.

1. First plug the connector of the charging cable into the charging socket in the battery, then connect the charger into a wall socket.
2. As soon as the charger is connected to the power supply, a red LED will light up.



3. When charging is complete, the LED changes from red to green.



! The charging time depends on several factors. It can vary greatly depending on the temperature, age, use and capacity of the battery. For information on the charging time of your battery, see "SPECIFICATION".

When the battery is fully charged, the charging process stops automatically. Unplug the connector from the battery and then removed from the mains.

8.2.3.1 Safety instructions



Use only the battery charger.

Make sure you are using the correct mains voltage. The required mains voltage is indicated on the charger.

- Do not touch the power plug with wet hands. There is a risk of electric shock.
- Note: A sudden rise in temperature can cause condensation in the battery. To avoid condensation, charge the battery at the same place where it is stored.
- Before using, check that the charger, cable and plug are not damaged. Do not use the charger, if you notice any damage. There is a risk of electric shock.

- Charge the battery only in a well-ventilated room.
- Do not cover the charger/battery during charging. There is a risk of overheating, fire or explosion.
- Charge the battery in a dry place, and on a non-flammable surface.



The battery must be charged at least once every 3 months to avoid damage or destruction of the cells.



If the charging process takes longer than usual, the battery may be damaged. In this case, stop charging immediately. Have the battery and charger checked by your retailer to prevent further damage.


Errors - Causes and Solutions

Description	Cause	Solution
The operating display does not light up.	Power plug is not correctly connected to the power supply	Check that all connectors on the charger are correctly connected to the power supply.
The charging indicator is not lit.	The battery may be malfunctioning.	Contact your retailer.
The charging indicator does not glow permanently red.	The battery may be malfunctioning.	Contact your retailer.


8.2.4 Other functions


8.2.4.1 Hibernation and wake up

Enter the hibernation



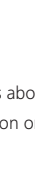



- Press and hold the “



Wake up

- Press and hold the “

 Meeting any of the conditions above could enable to enter the hibernation or wake up

8.2.4.2 Charge status indication

LED	LED state	SOC
	First LED blinks	$\leq 5\%$
	One LED light turns green	5–20%
	2 LED lights turn green	20–40%
	3 LED lights turn green	40–60%
	4 LED lights turn green	60–80%
	5 LED lights turn green	$\geq 80\%$

 Press the “

BAFANG

8.3 SPECIFICATION

8.3.1 Battery

Primary Settings	BT F150.D504.C	BT F150.D672.C
Rated voltage	48 Vdc	48 Vdc
Nominal Capacity	10.5 Ah	14Ah
Rate Capacity	9.75Ah	13Ah
Energy	504Wh	672Wh
Storage (At 35% SOC 8-10°~35 °C)	6 months	6 months
Cycle life	600 cycles	600 cycles
Dimensions (L*W*H)	367.4*90.3*91.5mm	367.4*90.3*91.5mm
Weight	2.7KG	3.3KG

8.3.2 Charger

- Operating voltage: 180 Vac–240 Vac, 50 – 60 Hz
- Rated output voltage: 54.6 V
- Output current: 2 A ± 0.2 A
- Minimum battery charge voltage: 27 ± 2 V
- Timing protection: 12 ± 0.5 h
- Operation temperature: 0 °C ~ +65 °C
- Storage temperature: -20 °C ~ +85 °C
- Shell size: 168mm*88mm*47mm
- Certificate: LVD/UKCA, EMC