Dear customers,
Darfon Electronics Corp. is a company located in Taiwan. Our products sold in the market are developed based on innovative ideas and structures. The following is the description of the product:

**Product:** Pedal-assisted electric bicycle, E-Bike
**Function:** Pedelec
**Model:** BESV JF1

This product is designed based on unified European standards and observes applicable and important EU directives. The EU directives involved are shown below, including any amendments that are in place:
- 2006/42/EC on machinery, including EN 15194:2017

The battery charger of the product is described as follows:
**Product:** Battery charger
**Function:** Battery charger for the electric bike
**Model:** BESV-072-0360

The product is designed and manufactured based on EU, USA and Australian Communications and Media Authority (ASMA) standards, as well as relevant and important directives of EU.
- EU Low-Voltage Directive IEC 60335 and Electromagnetic Compatibility Directive EN 55014
- USA Directive UL 1012 and FCC Part 15B
- Australian RCM Directive AS/NZS CISPR-14

Modification of this bike without our prior approval will render the warranty invalid. PS: Darfon Electronics Corp. is short for Darfon Electronics Corp. Corporation.

Original instruction
Introduction Start Riding

It is advised to read this user's manual thoroughly and familiarize yourself with the operations of the bike before riding it for the first time. Please follow the instructions and warning provided in this manual. Failure to do so may lead to damage to the bike or risk of your personal safety. This user's manual provides you quick and accurate understanding of the major functions of your electric bike.

Your bike may be somewhat different from the descriptions and images depending on model, order, country or optional accessories. Darfon Electronics Corp. is committed to constantly innovation of craftsmanship and products, and reserves the rights for changes in following parts, such as design, electronic system and features of equipment or technology. If you are to sell your bike to another user, please pass this manual onto him/her. Darfon Electronics Corp. and its team hope to bring you safe and pleasant riding experience.

Environmental Protection Topics

Environmental protection topics are part of green product policy published by Darfon Electronics Corp.. The purpose is to encourage cautious use of natural resources, which are the building blocks of the plant we live on, and to take the needs of nature and human being into consideration. As a responsible person for environmental protection, you may protect the environment by starting to ride an electric bike.

The consumption of energy is related to the power controller system, gear change system, brake system, drive system and tires installed on the bike. It all depends on how the electric bike is used and how you ride the bike. In addition, it is advised to keep in mind the potential influences of how the bike is used and how you ride the bike on environmental protection.

How the bike is used
• Make sure the tire pressure is normal.
• Do not carry extra weight that is unnecessary
• Pay attention to battery consumption
• Riding the bike as it is intended to helps protect the environment
• Have an authorized professional distributor perform repair or service to your bike.

How you ride your bike
• Ride the electric bike carefully and keep a proper safe distance with the vehicle in the front.
• Avoid frequent, sudden acceleration.

A reminder for environmental protection: Recycle the waste battery for greener world. Please go to an authorized bike distributor for repair and service.
Production Information
Darfon Electronics Corp. recommends you to use the power controller system, gear change system, brake system, drive system and electric bike parts recognized and approved by Darad Innovation. Darfon Electronics Corp. has a series of rigorous tests and verification processes on these systems and electric bike parts to ensure the reliability, safety and comfort of the product. Darfon Electronics Corp. is not in the position to evaluate other parts despite existing survey reports available in the market. Therefore, Darfon Electronics Corp. is not responsible for using these parts on our products. Do not use parts that are not approved by Darfon Electronics Corp., as they may compromise the safety of you riding the bike. Approved parts and replacement service, as well as technical advices, are available at professional distributors authorized by Darfon Electronics Corp.. In a professional sense, these parts are fit for your electric bike.

User'sManual

Please read this manual carefully before riding this bike for the first time, and allow yourself to familiarize with this bike. For the safety and longevity of your electric bike, please follow the instructions and warnings given in this manual. Failure to do so may result in damage of the bike or risk of your safety.
You may select an electric bike that meets your specific needs based on the model and standards provided in the manual, but there may be slight differences depending on countries. In some cases, your bike may not have all the features described for it due to system, function and safety. Therefore, your bike may be somewhat different from the descriptions and images. For any question regarding the bike itself and how it is operated, please consult with your professional distributor authorized by Darfon Electronics Corp.. The following are covered in the delivery of the electric bike:
• Battery
• Charger
• User's manual

Ride Safely
• Important safety warning
• Accidents or falling objects
• Tipping over of bike

The following ways of riding may lead to sudden malfunction of parts; for example:
• Damage of handle bar or saddle when riding the electric bike
• Malfunctioning brake

These present the risks of accident and injury. When something like this happens, it is important to have your bike checked by a professional distributor authorized by Darfon Electronics Corp. immediately. When riding the electric bike, the bike is subject to heavy loads and wearing. Parts respond to these loads differently, and fatigue and wears are possible at various speeds. If the life cycle expires, the part may fail suddenly and there is a risk of accident or injury.
• Please have a professional distributor authorized by Darfon Electronics Corp. perform routine checkups on your bike.

• Check for signs of cracks, scratches or color change, since any of these are indications that the part may be expired.

• Have a professional distributor authorized by Darfon Electronics Corp. replace the fatigued or worn part(s).

Parts that may be compromised are:
• Handlebars and stem
• Saddle and seat post
• Frame and fork
• Tyres and wheels
• Pedals and Pedalcranks
• Brake Pads and discs
• Chain
• Battery

The electric bike and the power controller system may cease to function if handled incorrectly. Modification to the power controller system may lead to the inability to correct the system back to normal and eventually malfunction. A power controller system that does not work properly will compromise your safety while riding the electric bike. Therefore, you should always go to a professional distributor authorized by Darfon Electronics Corp. for service of used and malfunctioned parts.

Do not perform any servicing or machining work on the bicycle frame or any of the load-bearing parts on your own, such as drilling, welding or forging. These behaviors will impact the service life of the parts and the stability of use. In addition, part of your body or clothing may be caught in moving or rotating parts such as wheels, chain, pedals or pedal cranks. Make sure that any part of your body, clothing or objects you are carrying will not be caught in these parts as they are moving or rotating. Also, scarf is not recommended.

A few parts on this bicycle may become very hot after braking, such as the braking system, front fork quick release, fast rotating electronic control system and the nut on the axle, particularly after long hours of riding. Touch these parts only after they cool down. It is not allowed to ride the e-bike without an operational lighting system. This is the law in many countries.

Qualified and Authorized Professional Service

A professional distributor that is qualified and authorized has the skills, tools and qualification to provide service for your electric bike, in particular when it comes to the safety of riding the bike. Therefore, it is advised to go to a qualified and authorized distributor for the following services:
• Safety-related service
• Maintenance and service
• Repair
• Correction, installation and upgrade
• Replacement of electronic components: power controller system, gear change system, brake system and drivesystem
• Darfon Electronics Corp. recommends that you go to an authorized professional distributor for service and repair in order to keep your electric bike in a good working condition.
Correct Use

Familiarize yourself with the following information before riding your electric bike:
- Safety notes given in the user’s manual
- Technical data provided in the user’s manual
- Traffic regulations and rules
- Legal and safety standards regarding electric bikes

The structure of the e-bike should comply with the regulations of your country when you bought it. Or, it may be illegal in your country to ride this e-bike. The structure of this bicycle may be adjusted to the regulations of individual country if necessary. Please read thoroughly the laws and regulations applicable to e-bikes for the following key points:
- The power output of the motor and the maximum aided speed
- Accessories required to ride on highway
- Obligation to have a license
- The minimum age to ride an electric bike legally
- Requirement to wear a helmet while riding

The e-bike is designed for riding on roads and alleys with asphalt pavement. The tires maintain their traction on such a pavement. However, this bicycle is not designed to ride or jump over obstacles such as the curbs on roadsides. Similarly, it is not designed to carry more than one (1) person, i.e. no passenger other than the rider him/herself. Besides, it is not a racing bicycle.

The e-bike is capable of carrying 95kg (209lbs) including the rider, accessories and luggage. Do not carry more than the total weight allowed. The BESV e-bike is not designed to be a towing vehicle, nor allowed to ride behind a towing vehicle, tow another bike or pull another bike with a bike linking system.

Make sure that your e-bike is used correctly as it is intended. If the bike is not used in the way it is designed to, the parts may break down, leading to accident or injury.

The e-bike is not intended to set limits on the size, senses or intelligence of certain people. However, children under 14 are not recommended to ride this bike.

rear-mounted or portable design. Therefore, please remove the battery before the bicycle is transported. In addition, it is recommended to remove parts that cannot be fastened with bolts before transportation, such as the gauge, as they may become loose and missing during the transportation.

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Electric Bike

The electric bike of Darfon Electronics Corp. is an electrically assisted bike that provides assistance when you are pedaling. The rpm sensor located on the pedal crank bearing detects how hard you are pedaling the bike and determines how much power the motor should provide to give you a ride.

The electric motor is turned off as soon as you stop pedaling. At the maximum aided speed, the motor starts to reduce its power output until the aided pedals are turned off. For example, the maximum aided speed is 25km/hr (15.5mph) in European countries. You may ride faster than this maximum aided speed if you turn off the assisted pedaling function.
Torque sensor on the Bearing of Pedal Cranks
The torque sensor that determines the pedaling force may lose its electronic calibration and that leads to the malfunctioning of assisted pedaling. Therefore, keep magnetic and metal objects, such as a hammer, away from the crank bearing.

The Serial Number of New Darfon Electronics Corp. Bike is in the Warranty Card
The serial number of your new Darfon Electronics Corp. bike and its frame number validate your after-sale (warranty) service. Therefore, check that the serial numbers of the bike and the frame are intact when you are going to buy a bike. Do not buy a bike with a sign that these numbers are tampered with!
• The new bike serial number is found in the warranty card.
• The frame serial number is found on the base of bottom bracket shell, the rear drop-out of the frame, or downtube.
Component introduction:

1. Saddle
2. Seat post clamp
3. Front wheel
4. Front brake DISC
5. Front brake caliper
6. Battery
7. Pedal
8. Chainwheel set
9. Chain
10. Rear derailleur
11. Freewheel
12. Rear wheel
13. Electric motor
14. Rear brake caliper
15. Rear brake caliper

Component introduction:

1. Left handle bar
2. Rear brake lever
3. Function switch
4. HMI bracket
5. HMI
6. Front brake lever
7. Right handle bar
8. Derailleur lever
9. Power button
HMI Instruction:

1. Backlight adjustment
2. System-setup button
3. Assistance power indicator
4. Battery capacity
5. USB-charging indicator
6. Bluetooth-connection indicator
7. Assistance mode
8. Riding information
9. USB charging port

Assistance adjustment

Function
1. Change riding information / Setting entrance
2. Assistance mode +
3. Assistance mode –
Inspection Before Your Riding

Tire and Wheel Inspection
- Before your riding, please check the tire pressure and notice that there is any objective pierced the tires.
- The tire pattern will be obvious.

Brake System Inspection
- Before your riding, please test the function of brake system. When you pull the brake lever, the brake force should work and the space should be kept between the brake lever and the grip.
- Any mud or grease on disks is forbiddened.
- All screws should be mounted on the positions.

Chain Inspection
- Before your riding, please check the chain is exactly mounted onto the chainwheel or freewheel.
- Please follow the instruction to prevent damage of the chain system when the chain is settled down or removed.

Battery and the lock inspection
- Before your riding, please check the battery is locked and the indicator show "Lock".
Power on/off inspection

- System On: Long press the power button. You can see the power button shows in blue and HMI shows the start-up image.
- System Off: Long press the button until the light of power button off and the HMI shows the shut-down image.

Alos, you could customize the riding information for yourself. Please follow the instruction as below:

Check the Bolted Parts
Check that the following parts are tightly secured every time before you ride a bike:
- Check that the coupler of front wheel quick release is secured in place and the word “CLOSED” is clearly visible. It shall not rotate.
- Check that the rear wheel and motor are installed and secured properly. All bolted connections shall be fastened so tightly that they do not budge under extra pulling or pushing of the rear wheel.
- Check that handle bar and brake levers are secured in place. It shall be impossible to rotate the handle bar and brake levers.
- Make sure that the saddle and seat post are secured in place. The attempt to pull or incline the saddle shall not cause it to move.
- Check that the luggage carrier is secured in place.
- All bolted connections shall be fastened securely.
### Adjustment

| Saddle adjustment | **If you pull the seat post and the seat tube is too far away, the screw clamp may not support the seat post safely. Do not exceed the minimum insert depth when pulling the seat post.**  
• Adjust saddle height and position Minimum insert depth: the seat post has to be inserted at least 10cm (3.9”) into the seat tube no matter how it is marked  
• Adjust the saddle position depends on yourself requirement, but do not exceed the mark on the saddle. |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Handlebar and Grip Adjustment</td>
<td><strong>Adjust the grips, brake levers and gear change levers Adjust the handlebars so that they fit snugly in your hands, and move them to the position that fits you. Adjust the brake levers so that they make proper contact with the handlebars. A proper distance shall be kept between the handlebar and brake lever. The gear change lever is located below the handle bar where your thumb can easily control.</strong></td>
</tr>
</tbody>
</table>
**Function in Main page**
- As battery remaining indicator, each section represents 20% capacity. For example, the remaining capacity was displayed as followings:
  - 5 sections : 100%
  - 1 section : 20%
  - 1 section with flashing : below 10%
  - 1 section with battery icon flashing : below 5%
- To adjust the backlight, please press the button [image] which is at the side with [image] icon.
- To change the different riding information, please press the button [image] which at the side with [image] icon.

**Changing Assistance mode**
- The assistance mode can be changed by pressing the button "Assistance mode +" and "Assistance mode −" sequentially. The current mode can be distinguished by both letter symbol and colors.
  - 'E' is for "ECO mode" with blue color
  - 'S' is for "Smart mode" with purple color.
  - 'P' is for "Power mode" with red color.
### Riding Information:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td><img src="image" alt="Speed" /></td>
<td>24.0 km/h</td>
<td>Speed: The speed of the bike.</td>
</tr>
<tr>
<td><img src="image" alt="ODO" /></td>
<td>999999 km</td>
<td>ODO: Total experienced distance.</td>
</tr>
<tr>
<td><img src="image" alt="Power" /></td>
<td>150 W</td>
<td>Power: The inputting human power.</td>
</tr>
</tbody>
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<thead>
<tr>
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<tbody>
<tr>
<td><img src="image" alt="Clock" /></td>
<td>08:50</td>
<td>Clock: The current time.</td>
</tr>
<tr>
<td><img src="image" alt="Calorie" /></td>
<td>101 kcal</td>
<td>Calorie: The exhausted calorie during a trip.</td>
</tr>
<tr>
<td><img src="image" alt="RPM" /></td>
<td>101</td>
<td>RPM: The cycling cadence.</td>
</tr>
</tbody>
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<table>
<thead>
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<th></th>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="MAX" /></td>
<td>32.1 km</td>
<td>MAX: The maximum speed during a trip.</td>
</tr>
<tr>
<td><img src="image" alt="AVG" /></td>
<td>16.9 km</td>
<td>AVG: The average speed during a trip.</td>
</tr>
<tr>
<td><img src="image" alt="Trip" /></td>
<td>226.8 km</td>
<td>Trip: A total distance during a trip.</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="Range" /></td>
<td>106.9 km</td>
</tr>
</tbody>
</table>
This page is a menu of all the function settings of system.

- To enter this menu page, please long-pressing the information button.
- After entering the menu page, you can use "assistance mode +" and "assistance mode –" to change the selection, and press the information button again to enter the next page.

If you want to leave menu page, please move your selection to "to main display", and press the information button to return main page.

This function is to show the software information of controller, HMI and battery.

- Move the selection to "to menu" and then press the information button to go back main menu page.

This function is for clearing trip record

- Move the selection to the "clear" and then press the information button.
- Move the selection to "to menu" and then press the information button to go back main menu page.
- Clearing trip data will also clear "calorie", "Max speed", "Average speed" information.

This function is for changing the displayed unit.

- Move the selection to the unit you want and then press the information button.
- Move the selection to "to menu" and then press the information button go back main menu page.
Time setup

This function is for changing 12/24 hours method to represent.

- Move the selection to select "24h" or "12h" and then press the information button.
- Move the selection to the "hours" and then press the information button. The "hours" will start to flash and be able to adjusted by "assistance mode +" or "assistance mode –" buttons. When you finish the adjustment, please press the information button again to confirm.
- You can adjust the "minutes" as the same process as "hours".
- Move the selection to "ok" and then press the information button to finish the setting.
- Move the selection to "to menu" and then press the information button to go back main menu page.

Riding information selection

By Info selection, you can multi-choose you mostly used information to show on main display.

- Move the selection to information you want, and then press the information button to select. You can do this repeatedly until all your necessary information is selected.
- You can choice page 1 and page 2 of info selection by select "next" and "back".
- Move the selection to "set/ok" and then press the information button to complete the setting.
- Move the selection to "to menu" and then press the information button to go back main menu page.

Bluetooth

This function is to enable the Bluetooth to connect with smart phone device.

- Move the selection to select "on" to enable Bluetooth, or "off " to disable Bluetooth.
- Move the selection to "ok" and then press the information button to finish the setting.
- Move the selection to "to menu" and then press the information button to go back main menu page.
Warning message

- If the message is shown as "W" and followed by a number, it represents a warning code.
- Please refer to the trouble shooting in the later chapter of this manual.

Error message

- If the message is shown as "E" and followed by a number, it represents an error code.
- Please refer to the trouble shooting in the later chapter of this manual.

- If more than 1 message existed, these messages will keep flash and alternatively displayed.

The lower assistant adjusted condition:
The system will deduce the assistant level to protect the electric module under the battery overloading or at high temperature.
**Maintenance**  
Darfon Electronics Corp. recommends you to have your bike checked by an authorized professional distributor once every year.

<table>
<thead>
<tr>
<th>Before every trip</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check tires and wheels</td>
<td></td>
</tr>
<tr>
<td>Check the chain</td>
<td></td>
</tr>
<tr>
<td>Check the battery lock</td>
<td></td>
</tr>
<tr>
<td>Check the operations of brake system</td>
<td></td>
</tr>
<tr>
<td>Check the operations of power controller system and instrument</td>
<td></td>
</tr>
<tr>
<td>Check the wearing of brake system</td>
<td></td>
</tr>
<tr>
<td>Check bolt and screw connections</td>
<td>Test before riding</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Every 300-500km (186-310 miles)</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check the wearing of chain and tension of spokes</td>
<td></td>
</tr>
<tr>
<td>Clean the chain of smudge.</td>
<td></td>
</tr>
<tr>
<td>Check all bolt and screw connections are fastened securely.</td>
<td></td>
</tr>
<tr>
<td>Measure the wearing of brake discs.</td>
<td>Perform repair and maintenance works</td>
</tr>
</tbody>
</table>
Replacement of new brake pads

Replacement of new brake pads

Brake System

The Darfon Electronics Corp. Electrically Assisted Bikes are all equipped with mechanical disc brake of the same level. It brings you quick and safe stop if necessary. The disc brake reacts much quicker than drum brake particularly on slippery roads. The mechanical disc brake gives you very good braking results with only very little force from your hands. To evenly distribute the braking force in both wheels, please brake both wheels at the same time. The following are some notes for braking the bike:

- On a slippery road, the friction is reduced between the surface and tires. The water reduces the braking effects of the brake shoes and disc. As a result, the braking distance will be longer and there is a risk of accident.
- When riding on a wet surface, brake early to keep a longer braking distance. Be extra careful not to allow the brake to lock the wheels up.
- The rear wheel may be airborne when you hit the front brake too hard, and there is a risk of accident.
- Always slow down or stop the bike with both the front and rear brakes. Carefully maintain your balance during a sudden brake.

The motor-assisted pedals are brake-controlled (or if you stop pedaling) for interruption. If you are not yet familiar with the braking power of the mechanical disc brake, please do so on a surface with good traction and away from traffic. Avoid braking consecutively. When on a long down slope, use both brakes in a steady burst of short braking actions. The brakes will cool down when you apply them intermittently. Stop the bike at any sign of overheating. The symptoms of overheating include extra braking force required, a concentration of burning smell and loud noises.

Allow the braking system to cool down before riding. A wet condition reduces the braking effect and easily causes the tires to skid.

Always keep a longer braking distance on a wet road surface. Ride slowly and brake carefully.

Wearing of Brake System

The wearing of brake shoes and discs is the result of friction. The more you ride the bike in a mountainous terrain or in rain or mud, the more worn the bike will be. The wearing of brake shoes and discs cannot be evaluated from the brake rods alone. Therefore, it is necessary to check before riding. Always go to a qualified distributor for replacement of brake shoes.

New brake shoes must be inserted when they reach their best braking performance. To do that, you need to accelerate the bike up to 25km/hr (15.5mph) and apply the brakes. The replacement is done when the force you apply to the brakes stop reducing.
Battery

Install or Uninstall the battery

• Install: Please open the battery cover. Hold the battery and insert it by connector to connector. Please check the fixing, and then close the battery cover and turn the key to the “CLOSE”.
  (note: if you install the battery correctly, there will be a sound “click”)
• Uninstall: Please open the battery cover. Turn the key to “OPEN”. Take out the battery from the chamber and close the battery cover.
• If the connection of the battery is not correct, there might be something dangerous. Be sure following the instruction to install the battery.

Battery Protection Mode

For any of the following, the battery will switch to the protection mode:
  • The bike has not be used for two months.
  • The battery has depleted and not charged within one week.
When the battery is in the protection mode, you need to start the battery after a complete charging cycle.

Notes for Battery

The following instructions help improve the longevity of battery:
  • Ideally, the battery should be charged at 20°C (68°F). Please allow plenty of time for the battery to reach this temperature before charging.
  • Avoid frequent discharging completely. It is preferred to discharge locally. Li batteries are not known for the memory effect. Loss of capacity after a period of use is common in every Li battery. The oxidation of cores occurs as the result of long period of use and aging, and leads to loss of capacity.
  • Deep discharging of a battery will lead to irreversible damage and loss of capacity. If the battery is expected not to be used for an extended period of time, it is advised to charge the battery to its full capacity at least every 3 months.

Important Safety Notes for Battery Charging

• If the power cable or plug is damaged, wet or dirty, there is a risk of electric shock or even mortal injury.
• Use only the battery charger delivered with the product.
• Use only dry charger, undamaged power cable and charger.
• Replace damaged power cable and charger immediately.
• Remove any possible foreign object from the charging socket, such as dusts, ice or snow before plugging in.
• Using any battery charger other than the one delivered with the product may cause overheating of the battery or even a risk of explosion.
• Deep discharging of battery may result in internal damage.
• There is a fire risk if the temperature of battery rises up to a dangerous level.
• Avoid deep discharging of battery while in use or storage.

• If not in use, the battery should be charged fully at least every 3 months.

• Do not expose the battery in a storage temperature lower than -20°C (-4°F) or higher than 60°C (140°F). Please note that the internal structure of battery may be overheated to damage due to high temperature greater than 60°C, particularly exposed to direct sunlight.

• Do not use the charger at a humid place or an ambient temperature lower than -10°C (14°F) or higher than 40°C (104°F).

• Do not put the battery in water.

• The battery and charger are maintenance-free. Do not attempt to disassemble or modify the battery or charger.

• Do not expose the battery to high voltage.

• It is advised not use battery with damaged casing.

• Keep the battery out of children's reach.

• If you detect that the battery becomes very hot, emits a strong odor, starts to deform or performs in an unexpected way while in use, being charged or in storage, please stop using the battery immediately.

• The battery and charger should be placed on fire-retardant surface while charging is in progress. If you are charging the battery while it is still mounted on the bike, make sure that the bike is parked on an incombustible surface.

• Do not charge the battery while it is on a carpeted floor.

• Do not cover the battery or the charger while charging is in progress.
Notes for Battery Charger
The charger provided is suitable for voltage ranging from 100V to 240V. The charger does not have to be switched to the associated voltage range, as it detects the voltage automatically. There is no on/off switch on the charger. Make sure to unplug for energy saving if no charging is required.

Connect the Charger
Connect the battery charger as illustrated. Connect the charger to the battery and the shining red indicator light on the charger indicates the charging is underway. It takes approximately 5 hours to fully charge the battery. Once the battery is charged, the green indicator light on the charger will light up. While the battery is being charged on the bike and you wish to check how much it is charged, you may turn the system on and the instrument will show the battery level. If you are done charging, disconnect the charger from the battery before removing the power plug from power socket.
There is no on/off switch on the charger. Make sure to unplug for energy saving if no charging is required.
Do not pedal the bike while the battery is being charged, or there is a risk of damaging the charging socket on the bike.
The battery can be charged onboard or independently.
Do not move or pedal the bike while the battery is being charged onboard.
Nameplate information

The control systems of Darfon electronic corp. have clear production records. The product's nameplate information can be obtained by scanning the QR Code on the product label.

<table>
<thead>
<tr>
<th>Nameplate Information</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Darfon Electronics Corp.</td>
</tr>
<tr>
<td>Address</td>
<td>No.167-1, Shanying Rd., Guishan Dist., Taoyuan City 333, Taiwan</td>
</tr>
<tr>
<td>Product</td>
<td>JF1 HMI, YTRT08/ YTRT11</td>
</tr>
<tr>
<td>Serial Number</td>
<td>Refer to the number below the bar code label for the HMI serial number</td>
</tr>
<tr>
<td>Years</td>
<td>Refer to the 14th to 15th numbers below the bar code label, these two numbers represent the year of HMI manufacture</td>
</tr>
<tr>
<td>Weight(g)</td>
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<tr>
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<td>Refer to the number below the bar code label for the HMI serial number</td>
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<tr>
<td>Input Power</td>
<td>36V,250W</td>
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<tbody>
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<tr>
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<td>Weight(g)</td>
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</table>
Operation Manual
A. Specification:
1. Input voltage: 100-240Vac 50/60Hz
2. Input current: 2A (max)
3. Efficiency: over 85%
4. Charging mode: with Constant Current & Constant Voltage
5. Output protection:
   a. Output short circuit protection
   b. Charging limiting protection
   c. Over Voltage protection
6. Temperature & Humidity: -10-40°C & 10% -- 90%
7. Status LED display:
   Power on before connect to battery --- Green LED
   Charging --- Red LED
   Finish Charging --- Green LED
8. Dimension: Max --- 132*57*30 (mm)

B. Trouble shooting:
When getting through AC power, please check the power green LED first
1. If the charger doesn’t work, when the status green LED is on, please check as below:
   a. If the output plug is well connected or is it with reverse polarity?
      Please confirm the connection of the connector.
   b. If the battery is out of use?
      Please replace of the new battery
2. When power green LED is off, please check:
   a. If the AC plug is well connected? Please confirm the connection of the AC plug
   b. If the power switch is on? Please turn on the power switch before charging
   c. If the charger broken? Please send back to repair

C. Attention:
1. The charger is designed for Li-ion battery only
2. Please operate charger in an open area to keep good ventilation
3. This charger is only for indoor used.
4. If there is any problem, please return to local dealer or services center
   Do not try to open and repair the charger by yourself

Caution:
The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities,
or lack of experience and knowledge, unless they have been given supervision or instruction
Children being supervised not to play with the appliance
Specify the types, the number of cells and the rated capacity of the battery which can be charged;
Include a warning against recharging non-rechargeable batteries;