



**Model:ONES3**

**Operation Manual**

# ATTENTIONS

## **Battery and Charging:**

Charge at 0°C~45°C (32-113°F) , discharge at -20°C ~60°C (68-140°F), keep the battery dry. Do not put the battery in acidic or alkaline liquid. Avoid rain and keep away from fire, heat and high temperature environment. It is strictly forbidden to connect the positive and negative poles of the battery reversely. It is strictly forbidden to damage,disassemble the battery or cause short-circuit. Please use the specific original charger for charging, with charging time no more than 8 hours and the charging current no larger than 2A.When not in use for a long time, please store the battery in a cool and dry place, and charge the battery for 5 hours every month. The user must follow the manual instructions when charging, otherwise the consequences will be at his own risk. Pay attention to the battery type and applicable voltage that the charger can charge, and it is strictly forbidden to mix. When charging, it should be placed in a ventilated environment. It is strictly forbidden to charge in residential buildings, enclosed spaces, or under sunshine and in high temperature environments. When charging, plug in the battery first, then connect to power supply socket; after charge gets full, cut off the socket first, and then unplug the battery. When the green light is on, the power supply should be cut off in time, and it is forbidden to connect the charger to the AC power supply for a long time without charging. During the charging process, if the indicator light is abnormal, there is a peculiar smell, or the charger casing is overheated, stop charging immediately, and repair or replace the charger. During the use and storage of the charger, pay attention to avoid foreign objects entering, especially water or other liquids, so as to avoid a short circuit inside the charger. The charger should not be carried with the bike as much as possible. If it is necessary to carry it, it should be placed in the toolbox after the shock absorption treatment is done. Do not disassemble or replace the accessories in the charger by yourself.

## **Ride:**

Do not use it until you read the instructions carefully and understand the performance of the product; do not lend it to people who can't manipulate the product for riding. Before riding the bicycle, check whether the brakes are working. When you brake, please activate the rear brake firstly, and then the front brake. Pay attention to the brake tightness. If the brake is too loose, use an Allen key to tighten it. Pay attention to increasing the braking distance when riding in rain or snow. Suitable age: Riding between 16 and 65 years old. Please be sure to wear a safety helmet when riding the ebike, follow the traffic rules, and do not drive on motorized lanes and roads with many pedestrians. Please check the tire pressure before riding. The recommended tire pressure is 35~45PSI. When riding on downhill and non-paved roads, make sure the speed do not exceed 15km/h (9.3mph). When using the motor, please be careful not to hit it vigorously and keep the rotating shaft lubricated. It is not allowed to ride with more than the maximum load of the body (the maximum load is 120 KG, 265lbs) After use, the bike can not be parked in the building hall, evacuation stairs, safety exits, and must be parked correctly in accordance with the safety rules.

**Liability statement:**

After riding, please store the bike in a place without sunlight and rain, not in a residential building; Regularly check the motor and brake;

Regularly check bike's screw , especially those need to be tightened, and tighten them regularly. Recommended torque: (unit: kgf. cm) Steering handlebar screws 60-80, stem screws 175 ~ 200, seat cushion screws 175 ~ 200, wheel screws 320 ~ 450; The front and rear wheels of the ebike should align with the central axis of the front fork or frame; Regularly check if there is scratches, cracks or excessive wear in tires. The inner tube and valve should be perpendicular to the wheel hub and not crooked. Damaged or excessively worn tires need to be replaced immediately, please find a professional technician to replace your tires, if your tires accidentally puncture and leak, please contact a professional technician for repair or replacement.

**Maintenance:**

The company reserves the right to modify and interpret the product models, specifications or related information mentioned in this manual;The functions of a specific model mentioned in this user manual are only applicable to that specific model;The product models, specifications or related information mentioned in this user manual are subject to any modification or change without prior notice;Without the prior written permission of the company, the contents of this manual may not be copied, modified, reproduced, transmitted or published in any form. Please read this manual carefully before using the product, and operate in accordance with the manual, otherwise the company will not be responsible for product damage or personal and property damage caused by improper use or mistakes.

# PRODUCT FUNCTION DIAGRAM



- |                   |                    |                    |
|-------------------|--------------------|--------------------|
| 1 Display         | 8 Disc brake       | 15 Motor           |
| 2 Brake lever     | 9 Battery          | 16 Mud guard       |
| 3 Handlebar       | 10 Pedal           | 17 Rear suspension |
| 4 Front fork      | 11 Sprocket        | 18 Taillight       |
| 5 Headlight       | 12 Chain           | 19 Saddle          |
| 6 Tire            | 13 Rear derailleur |                    |
| 7 Wheel reflector | 14 Flywheel        |                    |

## Function introduction:

1. Charging: Open the plastic cover of the charging port. (Figure 1), connect the charger to start charging, when the battery is full and the indicator light of the charger changes from red to green, it means it is fully charged.



Figure 1



Figure 2

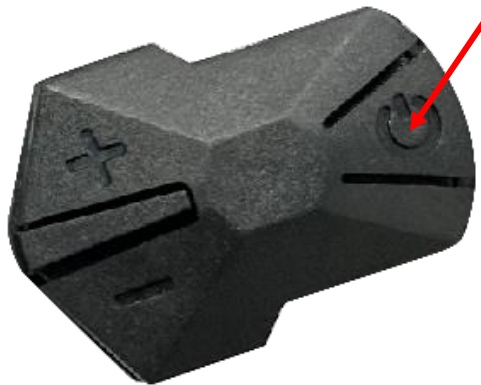


Figure 3

2. Power on: refer to Figure 2, turn on the battery switch; refer to Figure 3, long press “⏻” button to turn on/off.

3. Power display: The instrument panel lights up after power on to display the power, it is displayed in 10 grids, corresponding to high, medium and low power.

4. Headlight: long press the “+” key to turn on/off the headlight as shown in Figure 3.

5. Start: power-assisted riding, short press “+” to adjust to 1st gear after power on, step on the bicycle sprocket, start motor to assist. If motor assistance is not required, turn off the power or set the gear to 0.

# PRODUCT PARAMETERS

## Outlook &Dimension

Parameter	Standard Version
Body Material	Aluminum alloy
Color	Matte Black
Unfolding Size	1630mm*660mm*1110mm (64*26*44in)
Packing Size	1360mm*300mm*850mm (54*12*33in)
Hub Form	Spoke wheel
Wheel Size	20 inches

## Performance Parameters

Gross weight /Net weight	41kgs/33kgs (90lbs/73lbs)
Maximum Load	120kg (265lbs)
Maximum Speed	25km/h in EU,20mph in US
Mileage	50km in EU,31.3 miles in US max rang in electric mode
Maximum Climbing Angle	25 degree
Proper Temperature	-10°C-45 °C (14°F-113°F)
Waterproof Level	IP54

## Electrical Specifications

Battery Type	21700 lithium ion power battery
Battery Capacity	17.5AH
Battery Rated Voltage	48V
Motor Rated Power	750W in US
Motor Form	Assist mode
Motor Type	20" High speed gear/ Integrated wheel brushless motor
Motor Rated No-Load Speed	380±10r/min
Charger Output	54.6V 2.0A
Charger Input	100~240V 50/60Hz 3.0A
Under voltage Protection Value	39V
Over current Protection Value	20A±1A
Charging Time	7.5-8 hours

## Features

Instrument Display	Multifunctional LCD screen
Front Lighting	YES
Braking Method	Front disc brake + Rear disc brake
Tire Specifications	Pneumatic tires
	Tire: 20 x 4.0
	Air Valve: 20 x 4.0, the inner tube valve is AV
Front Fork	Shock absorbing front fork
Gear	7 Speeds transmission

Remarks:The factors, including battery power capacity, load, tire pressure, road conditions, chain and lubrication between wheel and axle, etc.will affect the maximum speed; the cruising distance indicated in this manual file is the test result from the riding test conducted uninterruptedly with load of 60kg(132lbs), at the speed of 15-25km/h (9.3-20mile/h for US), and on the flat and hardened road surface, from full charge to full power consumption.; Driving habits, temperature, load, tire pressure, road condition and other factors will affect the actual cruising distance.

# MANUAL CONTROL INSTRUMENT

## 一、 Function description:

### 1. Display function

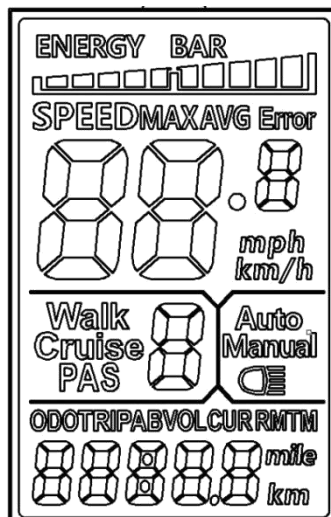


Speed display, power assist display, power indicator, fault prompt, mileage display, voltage display, single boot time, 6km/h (3.75mile/h) boost, cruise control, brake indication, headlight display

### 2. Control, set function


Power switch control, headlight switch control, 6km/h (3.75mile/h) booster setting (WALK mode), cruise control setting, 3-speed booster ratio setting, speed display switching, mileage and single boot time and voltage display switching.

### 3. All contents of the display screen (full display within 1s after booting)

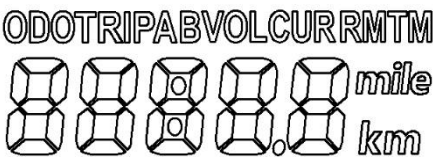




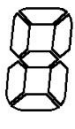
## Display content introduction


1. Headlight 

2. Battery electric power display 

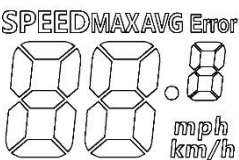
3. Multifunctional display area 

Total mileage ODO, single mileage TRIP A (unit: mile, km), current voltage VOL, single boot time TM.

4. 4. Bike power-assisted gear adjustment   
0-3 digital display and gear bar display

5. Bike status display area 

**Cruise:** Cruise mode    **Walk:** 6km/h(3.75mile/h) Walk mode

6. Speed display area 

Current speed SPEED, maximum speed MAX, average speed AVG in mph, km/h.  
The instrument will calculate the real speed according to the wheel diameter and signal data

6. Display Status Code Meaning 

### 7. Button Introduction:

Status Code	State Meaning
E00	Normal Status
E06	Battery Under voltage
E07	Motor Failure
E08	Throttle Failure
E09	Controller Failure
E10	Communication Reception Failure
E11	Communication Sending Failure



## 二、 Button Introduction:

The specific combination of buttons is as follows



**Use Introduction Button operation is divided into short press and long press.**

### Specific operation explanation

#### I、 Switch LCD

1. In the off state, long press the “ $\cup$ ” button to turn it on.
2. In the power-on state, long press the “ $\cup$ ” button to turn it off.

#### II、 Change the assist gear in power-on state

1. Short press the “ $\cup$ ” button to turn it on, assist gear will be + 1.
2. Short press the “ $\cup$ ” button to turn it on, assist gear will be -1.

#### III、 Switch speed display area content

In the power-on state, short press the “ $\cup$ ” button to complete the display switching between the average speed, the maximum speed and the instantaneous speed.

#### IV、 Set/release 6km/h(3.75mile/h )boost, cruise control, switch headlight

1. When the bike is stationary, long press the “-” button to enter the 6km/h (3.75mile/h ) boost cruise mode,press any brake to exit this mode.
2. When the bike is in the power-assisted running state, long press the “-” button to enter the cruise control mode, press any brake or turn the throttle to exit cruise mode.
3. Long press the “+” button to turn the headlight on or off.

#### Note:

1. Due to the upgrade of the company's products, the display content of the product you get may be different from the manual, but it will not affect your normal use. Everything is subject to the real object, and the company reserves the right of final interpretation.
2. The parameter settings of the instrument have been set at the factory. Please operate according to the instructions in the manual, and do not change the original settings of the instrument .The company is not responsible for any abnormal function or function damage caused by not following the instructions in the manual.
3. Do not immerse the instrument in water, or use a water jet to clean the display. When cleaning, wipe with a soft cloth dampened with water. Do not wipe with any cleaning agent.
4. Do not dispose of the instrument or any other E-bike accessories as resident waste. Please comply with local laws and regulations and dispose of or recycle E-bike accessories in an environmentally friendly manner.