



ENERGYONE

MODEL – M

Operation Manual



1. OPERATION INSTRUCTIONS

1.1 BUTTON DEFINITION



D16 display uses independent press button, in total five buttons:



= Power / Setting Confirmation



= Up



= Down



= Light



= Walk Mode





1.2 TURN ON/OFF POWER

- Press and Hold  to power on/off.



- When the motor stops working and the E-bike is not operated for a consecutive for several minutes(this can be configured) the display will turn to sleep mode automatically, and the display dormant current is less than 6mA.
- When the motor stops working and the E-bike is not operated for a consecutive for 30 minutes(this can be configured), the display will turn off automatically.

1.3 TURN ON/OFF HEADLIGHT

- Press and Hold  to turn on/off head light, the light icon will be displayed.
- Press and Hold  to switch to  Manual mode or  Automatic mode.





Manual mode



Automatic mode

1.4 CHANGE ASSIST LEVEL

- Press  will increase assist level.
- Press  will decrease assist level.



Level ECO is the default level, the assist level ranges from OFF to BOOST.



OFF level



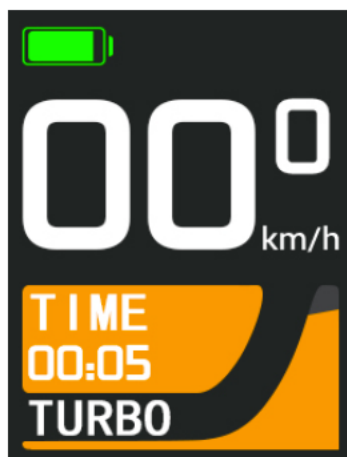
ECO level



TOUR level



SPORT level



TURBO level



BOOST level



- Press  will switch to WALK assist level.



WALK assist mode

1.5 Battery Power display

This passage is describing the interface of a device that displays battery power information. Here's a simplified breakdown:

- **Real-Time Display:** The device shows the current battery power level in real time.
- **Two Display Modes:** The device can display battery power in two ways:
 - **Progress Bar Mode:** This mode is used when the battery and the display are successfully communicating. It shows the battery power level as a progress bar.
 - **Grid Mode:** This mode is used when the battery and the display are not communicating successfully. It shows the battery power level as a grid with values from 0 to 5.
- **Automatic Switching:** The device will automatically switch between the two modes based on the communication status between the battery and the display. The progress bar mode is the default.



- **Battery SOC Content:** In progress bar mode, the display shows the real-time proportion of the battery's State of Charge (SOC).
- **Low Power Warning:** When the battery power is less than 20%, the display will show this in red. If the power is less than 10%, the display will flash.
- **Charging Indication:** When the battery is fully charged, the display will show this in green. If the battery is low, the display will show this in red, indicating that the battery needs to be charged immediately.
- **Communication Delays:** If the battery and display are communicating, it takes 1 second for the display to show the power status after turning on. If they are not communicating, it takes 3 seconds. If communication is interrupted, the display will switch to controller power after a delay of 5 seconds, and switch back to battery power immediately when communication resumes.



Battery grid mode



Battery progress bar mode



2. PEDAL ASSIST & THROTTLES

2.1 PEDAL-ASSISTED DRIVING MODE

This E-Bike has an electric pedal-assisted driving system (PAS). The pedal-assisted driving system consists of a driving unit, a battery, a controller, and various electronic components (harness wires, sensors and switches). It is essential to know that when the pedal assist system is on, the driving unit provides power only while you are pedalling. The amount of power supplied by the unit depends on your pedalling force and the assistance model/level you set with the handlebar control unit at any time. When you stop pedalling, the pedal assist system will disengage. In all models/levels, the pedal-assisted driving system reduces progressively. It cuts off as the bike reaches your setting assist level, or sooner if you stop pedalling. The pedal-assisted driving system re-engages when speed drops below your setting assist level as long as the pedals are turning.

2.2 FULL ELECTRIC MODE

The Model-M are equipped with a thumb throttle. The more you press down on the throttle, the faster the motor system will propel the bicycle.

DO NOT USE PEDAL ASSIST AND THE THUMB THROTTLE AT THE SAME TIME.



THANK YOU FOR CHOOSING



ENERGYONE

HAVE FUN AND RIDE SAFE!

www.energyone.ca