



01

owner's manual Carmela24
specifications

Model: Carmela24

According to EN ISO 4210-2/2015 and

EN 15194/2018.



oh!bike factoria S.L.

B66493271

Diputació 286, Baixos

08009 Barcelona

info@carmelabikes.com

First of all, we would like to sincerely thank you for purchasing an electric bicycle from oh! bike factoria. Read these manuals carefully to ensure the correct and safe use of this bicycle.

This manual is made up of several documents:

- specifications
- unboxing & assembly
- review & use
- maintenance
- EC Declaration of Conformity document
- Guarantee document

You will also find additional information on the website www.carmelabikes.com. For any questions, do not hesitate to contact our customer service +34 931 187 533.

components



1	Brake levers	11	Seat
2	Grips	12	Seat clamp
3	Boost button	13	Battery
4	Gear shifter	14	Bottom bracket
5	Foldable stem	15	Folding pedals
6	Frame	16	Transmission belt
7	Fork	17	Internal gear hub
8	Front wheel	18	Rear brake disc
9	Motor	19	Rear wheel
10	Front brake disc	20	Electrical control

Carmela24 is a bicycle that incorporates a pedal assist system. To enjoy the electric assistance, you need to pedal. It is not a motorcycle.

The electrical system has the following components:



motor

Located at the front wheel, 250W of power. It implies that the bicycle has two driving wheels: the rear wheel turns with its own force, transmitted by the belt, and the one in the front reproduces the motor's assistance..



torque sensor & controller

Located on the bottom bracket and the frame. It detects the pair you make with your legs and send this information to the controller who is in charge of all the assistance logic.



boost button

Located on the handlebar, next to the gear shifter. It allows you 40% extra assistance during a limited time when you need it. It also allows you to activate the engine even if you are not pedaling up to 6 km/h.



battery

Located in the center of the bicycle, it is responsible for storing electrical energy, and will allow you to do about 50 km in urban conditions and not extreme slopes.



To turn on the battery and POWER mode, press the button for 3 seconds. This mode offers maximum assistance when pedaling.

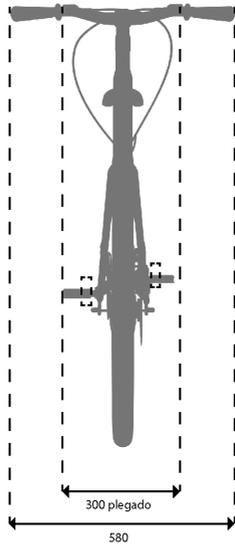
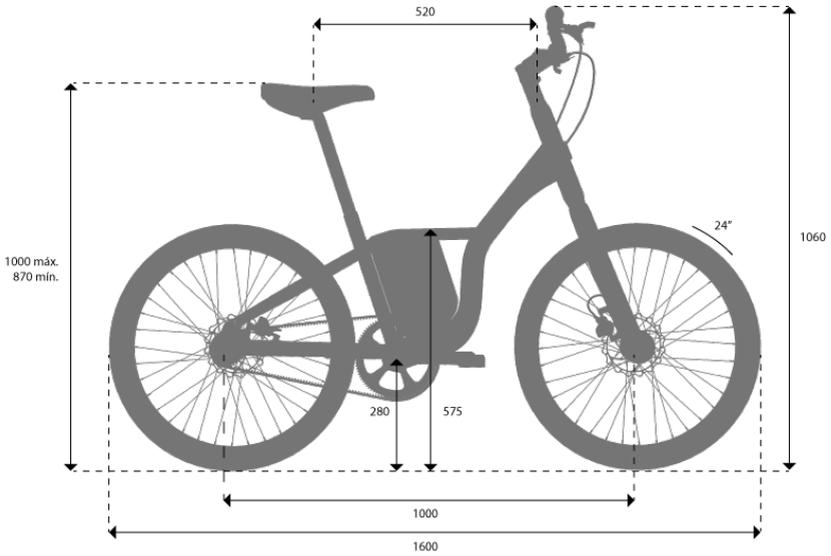


In ECO mode your pedaling assistance is reduced by 30%, but you increase the battery life and you can take longer trips.



The process of charging the battery lasts between 3 and 4 hours.

dimensions



technical specifications

BICYCLE

TYPE	Electric bike
TOTAL WEIGHT	15 kg
MATERIAL	Aluminium 6061T6
COLOR	White YS701
POWER	250 W
AUTONOMY	50 km
SLOPE	16 %

TRANSMISSION

MECHANICAL	Belt 50-18D
ELECTRICAL	250 W
GEAR	3 speed / Sturmey Archer SX-RK3
BOTTOM BRACKET	Eccentric

BRAKES

TYPE	Shimano BR-M315
SYSTEM	Hydraulic disc brakes
DISC DIAMETER	180mm - 160 mm

CONTROL

SYSTEM	SDC - Sensor Drive Control
TYPE	Torque and cadence sensor
INTERFACE	Single button
MODES	Power and Eco
BOOST BUTTON	140% extra torque

BATTERY

TYPE	Li-Ion
CAPACITY	290 Wh
TENSION	36 V
WEIGHT	2 kg
DIMENSIONS	255x165x50 mm
CHARGE INDICATOR	Advanced. 8 levels
TIME OF CHARGE	4 hours
USB PORTS	2 ports, 2A total

HANDLEBAR, PEDALS, STEM

HANDLEBAR	AL6065 580mm, eight 29mm
PEDALS	Foldable
STEM	Foldable
HEADSET	Tange Seiki

MOTOR

TYPE	Three-phase permanent magnets
LOCATION	Front wheel
WEIGHT	1,9 kg
MAXIMUM TORQUE	29 Nm

WHEELSET

DIAMETER	24"
TIRES	4x1.5, ERTRO 40-507
RIMS	Double-walled aluminium

01

specifications



EN 1811 edition - oh!bike factoria S.L