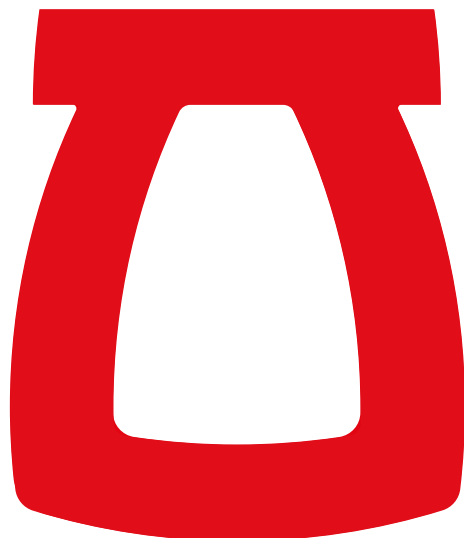


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***OLYMPIA***

**ITALIA**

**USE AND MAINTENANCE MANUAL**

**E-Bike**



**OLYMPIA**

**ITALIA**

Dear Customer,

thank you for choosing our electric power assisted cycle Olympia. Your new vehicle is absolutely safe and reliable, being the result of an innovative technical research and careful quality checks that will guarantee you many years of full satisfaction.

Figures, descriptions and data in this manual should be considered for a display purpose only.

For any need, doubt or question we invite you to contact your retailer.

This manual, together with the "Use and maintenance of cycles manual" and with the user's instructions by the engine manufacturer, comply with the legal requirements indicated in the following regulations: EN 15194:2017, EN ISO 4210-2:2015 and in the Machinery Directive 2006/42/CE.

Make sure you also have received the "Use and maintenance of muscle cycles manual", the user's instructions and maintenance of the engine, of the battery, of the battery recharger and of the display. Only the full reading of all the necessary documents can give you the full information needed to properly use and maintain your electric power assisted cycle.

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### We kindly ask you to take note of the following:

Like any other sport, riding a bike involves the risk of injuries and damages. If you choose to ride a bicycle, you take the responsibility of such a risk. Therefore you are supposed to know, apply and respect the traffic rules, together with the rules of use and maintenance of your bicycle. A responsible use together with a good maintenance of your bicycle will reduce the risk of personal injuries or damages.

This manual contains several "Warnings" and "Precautions" regarding the possible consequences due to the lack of maintenance, of regular inspections of the bicycle and of its parts, and to the disrespect of cyclists safety rules.

The possible consequences hereinafter described are not always repeated where the following symbols are displayed:



*This symbol indicates a danger for your life or your safety whenever you don't take the necessary precautions or you don't comply with the indicated operations.*



*This symbol indicates a potential risk or damage due to a wrong behavior.*



*This symbol indicates how to use the product or the related section of this manual for which a particular attention is recommended.*

## 1. GENERAL INFORMATION

Electric Power Assisted Cycles (EPAC) are bicycles equipped with an auxiliary engine that provides assistance only when the cyclist is pedaling, while the engine power stops when the cyclist is not. In compliance with specific rules set in European Standard EN 15194, Olympia EPAC bicycles are equipped with an engine of maximum 250 W and do not exceed the speed of 25 Km/h.

In addition, EPAC are supported by an assistance function also when they are pushed by hands or when started uphill. This function ("walking assistance function") can be activated without pedaling up to a maximum speed of 6 Km/h.

Every EPAC is controlled by a controller which allows different levels of engine assistance that can be chosen from the display or from a control device usually installed on the handlebar.






## 1.1 | PROPER USE OF AN EPAC

All bicycles have been designed and manufactured for a specific use. Different uses may lead to exceeding the maximum stress limits, with a consequent damage of the bicycle frame, or of other parts, resulting in harmful falls.


In order to establish which category your EPAC belongs to, please check the sticker on the frame (behind the seat tube or along the downtube, or ask your trusted Olympia retailer.


The categories indicate the surfaces on which it is possible to ride your EPAC and its allowed uses.

Category descriptions can be found in the "Use and maintenance of regular bicycles manual".

-  *No hauling of any kind of trailer is allowed.*
-  *No child seats allowed.*
-  *Cycles equipped with carbon seat posts are not suitable for luggage racks. For bikepacking, the use of appropriate bicycle bags is recommended.*
-  *Always wear bicycle protective clothes and garments.*
-  *Please inform yourself about the regulation on the use of e-bikes in the country you plan to ride your e-bike. Each country has its own regulations that may differ one to the other.*

To ride an EPAC, follow the applicable regulations of the country in which you will be riding.

 *Laws and rules regarding EPAC are currently under revision. We invite you to keep following any updates given by the means of communication (i.e. newspapers, news).*

 *The manufacturer can never be deemed responsible for accidents or damages resulting from the inappropriate use of the EPAC. In addition, any inappropriate use of the EPAC will automatically cause the termination of the terms of warranty.*


## 1.2 | BEFORE THE FIRST USE


If it is the first time you use an EPAC, start with the lowest level of assisted pedal and far from the traffic.


Get used to your EPAC different levels of assistance gradually and in accordance with the kind of ground where you are riding. You will find the related information in the section "Functioning of the assisted power".


The maximum weight allowed on an Olympia bicycle is 120 Kg . We invite you to check the sticker on the frame (behind the seat tube or along the downtube to verify that there are no further weight limits. The sticker indicates the use, the weight of the vehicle and the maximum allowed weight (given by the sum of the weights of the cyclist, of the baggage and of the EPAC). Never exceed this limit! In some cases, producers' use instructions may further limit the maximum allowed weight.

Each country has its own rules of the road that can differ one from the other, therefore your bicycle may not be fully equipped for any country. Check with your trusted retailer the local rules of the road, or the rules of the country where you will use your EPAC. Then get your EPAC equipped accordingly before starting to use it in the traffic.

 *Always check to which category your EPAC belongs. The category indicates the surfaces on which it is possible to ride your EPAC and its allowed uses.*

 *The distribution of weights on an EPAC is very different from that of a regular bicycle, being it much heavier because of its engine and battery. Therefore parking, pushing, lifting and transporting an EPAC requires a bigger effort. Be aware of this when you have to load it or to unload it on/from a car or a bicycle rack.*

 *Do not wear clothes that can get caught by the wheels or the engine (i.e. skirts, mantles, ribbons...). Danger of falling!*

 *Do not hang up big, heavy, or bulky objects (i.e. bags, umbrellas...) to the handlebar. Danger of falling!*

Before the first use, recharge fully the battery and make sure that it is properly inserted. When the battery is correctly inserted into its place, a "click" sound is heard. It indicates the battery closing and fastening. Some Olympia models have a locking of the padlock as an additional measure to safely lock the battery. You will find more information in the engine and battery producer user manuals.

The different EPAC functions are activated by the control device buttons on the handlebar. In some models, the buttons are part of the control device. In others, the two components are separated. You will find more information in the engine and battery producer user manuals. instructions by the battery and the display manufacturer.

Once you learned how to use all the functions and indicators, get confident with the breaking system. The front brake is activated by the left brake lever. In case it is different, it is necessary to familiarize with the different system, because the wrong activation of the front brake may result in a harmful fall. You may ask to a specialist to invert the setting of the breaking system.

The breaking force of the brakes installed on your EPAC can be much stronger than that of brakes you may have used before, therefore we advise you to try the brakes on streets without traffic first. Get gradually confident with the quickest deceleration.



*In case of emergency, be aware that your EPAC brakes are always more powerful than the engine. Therefore, in case of problems with the engine traction, brake gradually.*

If you don't know how to use the gears, read the chapter Maintenance > Transmission System in the "Use and maintenance of bicycles manual".

If you have not bought your Olympia bicycle from one of our authorized retailers, your EPAC size could be not fit for you. Standing astride your EPAC, make sure that between the tube and your crotch there is at least the space correspondent to the palm of a hand. The height of the saddle should allow you to touch the ground with at least the point of your feet. You will find more information about the correct riding position in the chapter General information > Setting the saddle height in the "Use and maintenance of bicycles manual".

If you have never used clipless pedals before, but you are going to install them on your new Olympia bicycle, we advise you to start getting confident with them when still, and to pay attention to how to lock and release the pedals. For more information, go to General information > Pedals and shoes in the "Use and maintenance of muscle bicycles manual".

In case of a suspended EPAC (either only with suspension fork –front suspended-, or also with rear shock absorber – full suspension), do not forget to check the pressure of the shock absorbers. You will find out more in the section Maintenance > Shock Absorber in the "Use and maintenance of bicycles manual".

Lastly, in case your EPAC is equipped with carbon parts, remember that this material needs a particular maintenance and a careful use. Read the chapter General Information > Carbon Parts in the "Use and maintenance of bicycles manual".

## WORKING OF THE ASSISTED PEDALING

To turn on and off the system, you can use the control device buttons on the handlebar and on the battery. They also allow to select the level of assistance, the left charge and the different functions of the display.

Once turned on, the engine system is started by pedaling.

In general, some sensors measure the pedaling and automatically adjust the engine assistance, based on the kind of assistance previously selected. The intensity of the auxiliary assistance is determined by the combination of: type of assistance previously selected, speed, and if necessary, by the force applied to the pedals. The pedaling assistance stops when the speed of 25 km/h is reached, or when you stop pedaling.

In the case you are not used to driving an EPAC yet, please consider that you will probably need to modify some of your riding habits and pay attention to:

- Do not get on by putting one foot on a pedal and passing the free leg over the saddle, as the engine may start unexpectedly. Danger of falling!
- When approaching curves or turns, please stop pedaling earlier than what you usually do, as the engine may keep assisting the pedaling, making you approach the turn too quickly.
- Keep a regular pedaling like with a traditional bike, which means with a frequency of more than 60 strokes RPM. Avoid keeping the ratio too high due to relying on the assistance given by the engine.
- When stopping, downshift.
- Remember that you will generally be faster than usual. Therefore think ahead and always be ready to brake as you are involved in unclear situations or potential dangers.



*Before putting your feet on the pedals, sit on the saddle, select the lowest level of assisted pedaling and from the moment when you start moving, be ready to brake. Danger of falling!*



*Be careful on slippery grounds (wet, snow, stones, etc), especially when turning, as the push of the engine on the back wheel may result in loss of control, thus increasing the danger of falling.*



*Be careful: car drivers and others may underestimate your speed. Always wear clothes in light/bright colors, which are easier to be seen. When in the traffic, drive carefully and try to prevent other drivers' dangerous behaviors. Risk of accident!*



*Batteries should be used only for the EPACs which they were designed for.*



*Do not use an EPAC to cross watercourses or immerse the motor, as the water may enter the electric circuit, thus causing damaging the electric system.*



## USE WITHOUT PEDALING ASSISTANCE

In case the battery discharges before arriving to your destination, or in case you want a harder workout, your EPAC can be used as a regular bicycle, without the pedaling assistance.

In case the battery discharges, consider that:

- The display does not work as a cycle computer when the battery is down;
  - If the light system is powered by the battery, it does not work when the battery is down.
- It is advised to always recharge the battery after use.

## BATTERY RUNTIME AND MANAGING

In terms of covered distance, the battery runtime depends on several factors: ground conditions, cyclist's weight, level of selected assistance, gears (pedaling frequency), wind direction, frequency of re-starting, environmental temperature, bad weather, topography, tires pressure, shocks absorbers pressure, etc.

The level of the battery charge can be verified either by the LEDs on the battery (when available), or by the control device on the handlebar. You will find out more in the engine and battery producer user manuals.

In order to increase the distance that can be covered with one charge, please choose a lower level of assistance or no assistance when on descending or on flat grounds, and please choose the most powerful assistance only when riding against a strong wind, with heavy loads and/or during a steep climb. Besides, to further increase the battery runtime:

- Avoid carrying heavy or useless baggage.
- Check the tires pressure, as a higher pressure of the tires guarantees a lower rolling friction (the higher pressure should never exceed the limits set on the side of the tires and/or in the chapter Maintenance > Tires in the "Use and maintenance of bicycles manual").
- In order to restart easily without involving too much engine torque, please stop your EPAC by downshifting,
- Keep pedaling frequency above 60 RPM.
- When outside temperature is too low and especially in case of icing, keep the battery indoors and mount it right before using your EPAC.

## RECHARGING














*Please follow the instructions in the battery user manual to charge the battery. Please do not recharge the battery during the night and in humid places, but in dry environments equipped with smoke or fire alarm. Do not recharge the battery in your bedroom. During the recharging leave the battery on a wide and not flammable surface, such as glass or ceramic. Once the battery is fully recharged, unplug it as soon as possible, as the battery may get damaged.*



*Please recharge the battery by using exclusively its original charger. Do not use chargers by other manufacturers, because they may overheat the battery, ignite it or even explode.*



*On certain EPACs if the battery is not used for a few days, it may switch to the Sleep mode. To re-activate it, check the instructions by the manufacturer of the engine or of the battery.*

-  Usually batteries of modern EPACs do not have the memory effect, therefore we advise you to recharge it after every long use, without waiting until the complete discharging.
-  The battery should be recharged in a place with a temperature between 15°C and 25°C. If during the use the battery heats up, let it cool down before recharging it. On the contrary, in wintertime or after usage at low outside temperatures, let it warm up to room temperature before starting to recharge it.
-  Only use the charger supplied with the battery. Do not use chargers by other manufacturers, even if the plug is compatible with your battery. The battery could overheat, catch fire or even explode.
-  In no case use flawed batteries or chargers. In case of any doubts/questions refer to our customer care center.
-  We recommend that you charge the battery during the day and only in dry environments, equipped with a smoke or fire alarm, by placing the battery on a large, non flammable surface, e.g. a ceramic or glass surface. Avoid charging the battery in your bedroom. Once the battery is charged, unplug it as soon as possible.
-  While recharging do not expose the battery or the charger to direct sunlight.
-  Be careful not to expose the battery and battery charger to liquids and moisture while charging, as this may cause short circuits and electric shocks.
-  Do not recharge the battery for too long when not in use, as it may get damaged.
-  In case the battery is removed from the EPAC, make sure to cover the electric connectors with some isolating material, such as plastic bags, to protect the connectors from the rain, humidity and dirt. In case the connectors are dirty, they must be cleaned with a slightly moist cloth before connecting them to the battery.
-  With time and use the battery will wear out, with a consequent and progressive lowered capability to cover the same distances as before. After a certain period of time a new battery will be needed.
-  Do not leave the battery connected to the charger for too long once fully charged to prevent damages.

## STORAGE

When not using your EPAC for a week or more, remove the battery and store it in a dry place with a temperature between 5°C and 20°C. The battery charge level should always be between 50% and 70%. When not using your EPAC for more than two months check the charge level and if necessary recharge it every once in a while.



*Never leave the battery in the sunlight, as it may overheat.*



*In case the battery is removed from the EPAC, make sure to cover the electric connectors either with their covers, or with some isolating material, such as a plastic bag, to protect the connectors from humidity and dirt. In this case, the display and the lighting system will not work.*



*Pay attention not to damage the battery or its case. Do not open, disassemble or hack the battery. Danger of explosion!*



*Keep the battery and the charger away from children.*



*Keep the battery away from flames or heat. Danger of explosion!*



*Do not dispose the battery with general waste.*

*Disposal must comply with laws related to the waste of batteries. Consequently, the retailer will have to take back the used battery when you buy a new one. In case of any doubts/questions refer to our customer care center.*



*Pay attention not to short-circuit the battery. Keep it in a dry place with the connectors covered. Do not store the battery together with other objects (i.e. clothes).*



*Please make sure that the battery is not completely discharged, otherwise it gets irreparably damaged. This happens often when the EPAC is not used for several days and the battery is left completely down. Only in some exceptional cases a battery which is fully down can be recharged with a special charger. Please contact our customer care service about this.*



*Please remove the battery and store it in a clean and dry environment when not using the EPAC for a long time.*

## CLEANING

Use a clean cloth, either dry or slightly moist and check that the battery case is not damaged. Never wash using high pressure water, as it may enter the battery and damage it or cause a short-circuit. You can find out more about the use of the battery in the engine or battery instructions manual.



Do not use high-pressure lance, steam heads, or water pumps to clean your EPAC and especially the battery. Water intrusions in the electric system or in the engine may cause short-circuits and damages, ruining the devices. Single engine parts can be cleaned with a soft cloth and some common neutral detergents, or with a moist but not wet cloth. The battery must never be wet or dipped into water.

## 1.3 | BEFORE EVERY USE

Before every use, we strongly recommend the following checks:

<b>PARTS TO BE CHECKED</b>	<b>CHECKS AND EXTRA INFORMATION</b>
BLOCKING	Blocking of thru-axles and/or quick rapid locking devices of front and rear wheel.
BATTERY	Closure "click" and locking with padlock.
ELECTRIC CONNECTORS	Battery and control device.
BATTERY CHARGER	Always recharge the battery completely when the EPAC is used for a long time. Modern lithium ion batteries have no memory effect. Never wait until the battery it is completely discharged before recharging it, and avoid keeping it connected to the recharger when fully charged.
PRESENCE OF DANGER WARNINGS	Before every use, check the good functioning of the indicators. Never use your EPAC in presence of danger warnings.
WHEELS AND TIRES	An EPAC is heavier than a regular bicycle, therefore the tires pressure you were used to, may be insufficient. Higher tires pressures guarantee a longer autonomy, a better stability and decrease the probability of flat tire. Minimum/maximum tires pressure (either in bar or PSI) is indicated on the sides of the tires. Spin the wheels to check the wheels centering. In this way you will also be able to detect lateral holes or broken axles and spokes.
GROUPSET	Check the proper functioning of the gears. If necessary, ask your retailer to adjust the alignment of the sprocket set. Check that the transmission wire slides through its sheath (the rear derailleur cables slide into its housings) easily and without frictions.
BRAKES	Try the brakes when EPAC is still, by pulling the brakes levers hard towards the handlebar. After a short ride, the levers will have to reach a point of pressure, although without ever touching the handlebar. In hydraulic brakes there have to be no oil leaks.
FASTENING	Lift a bit your EPAC from the ground and let it fall back down. Pay attention to any possible noise coming from the EPAC. If necessary, check bearings, screws and the correct placement of the battery.
RIDING ON THE STREET	Check what your EPAC needs to be equipped with, in compliance with the street rules of the country in which you will be driving it.
EPAC WITH SUSPENSIONS OR SUSPENSION FORK	Lean onto your EPAC to check the correct travel and compression of the suspension elements (fork and rear shock-absorber if there).
TOOLBAG	Check the presence of this kit, which has to be placed underneath the seat. It must contain: two levers for mounting plastic coverings, two common Allen wrenches, an extra inner tube and an emergency repair kit. A pump fastened to the frame could be useful. These tools are not provided by Cicli Olympia.

In case the above-mentioned checks should not all give a positive result, do not use your EPAC and see a specialized mechanic.



*An inaccurate check of the bicycle, or using the EPAC despite problems, may result in bad accidents.*



*The wrong locking of quick releases may result in disconnection of the parts. Danger of falling!*



*In case of riding in the traffic it is always necessary to use the foreseen reflectors. When in the dark (or already at dusk), use a certified lighting system.*



*Before carrying out any operation on an EPAC (i.e. inspection, repairs, installations, maintenance, engine maintenance, etc.), remove both battery and display, as in case of unintentional start of the propulsion system there is a risk of injuries.*



*When you park, it is advised to remove the display whenever possible, as it may get stolen, making it impossible to further use the EPAC.*



*To avoid damaging your EPAC, stick without exceeding, to the maximum capacity as indicated on the conformity label of your EPAC.*









*In case the rear derailleur is not adjusted properly, a quick wear of all part involved in the transmission may happen, therefore get it regularly inspected by a specialized mechanic.*



*According to the kind of ground where the EPAC is used and to the kind of use, the parts of the EPAC are subject to strong vibrations and solicitations, that result in wearing out. Therefore, we advise you to get your EPAC regularly checked, especially in case you notice signs of wearing, such as scratches, deformations, color changes, or initial cracks. Frequent dynamic stresses may result in sudden breaking of parts. You will find more information about maintenance and safety in the "Use and maintenance of bicycles manual".*

## 2. MAINTENANCE

In attachment you will find the user's instructions by the manufacturers of the parts and the user's instructions by the engine manufacturer, in which you will find all the details about use, maintenance and care of your EPAC. In this manual you will always find references to these instructions, which are more specific and detailed. Make sure to have also the instructions about the mechanical parts and to carefully keep them together with the leaflet and the manual. At any rate, always refer to what is said in the "Use and maintenance of bicycles manual".

-  *Keep in mind that assisted pedaling may result in more wearing of EPACs, than in traditional bicycles, particularly regarding the brakes and the tires, and, in the case of central engines, also of chain and sprockets.*
-  *If carried out by untrained people rather than by a trusted specialized retailer, all the inspection and fixing activities may result in parts breakings. Danger of accident! You should engage yourself in personally carrying out the specific checks (reported in the "Use and maintenance of muscle bicycles manual") only in case you have a good mechanical knowledge, a strong technical experience and proper tools.*
-  *Never turn the EPAC upside-down, as this may result in damaging of parts, such as the handlebar.*
-  *In case the life cycle of the battery was over or it was not usable any more, it has to be brought where you are buying the new one. In no case the battery can be disposed with general waste.*
-  *Carefully read and follow the use instructions given in the chapter about maintenance and customer care by the manufacturer of the engine and of the battery.*
-  *Check all the labels on the battery and on the charger, in order to be aware of any other needed instruction or precaution.*

## 3. WARRANTY

Please refer to the "Use and maintenance of bicycles manual".

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