USER'S MANUAL

E-P3+

polini® motori

trasforma il meglio in massimo

- Thank you for choosing an E-bike equipped with Polini E-P3+ motor
- Only drive your vehicle using protective clothing
- Please look at the web page www.poliniebike.com for tutorial videos, manuals and news.

CONTENTS

1.0- IMPORTANT NOTICE

For safety, carefully read this users' manual before using and follow it for correct use.

- Go to the place of purchase or to a bicycles' dealer for information on the installation and adjustment of the products which are not included in this manual.
- This product must not be disassembled or modified by unqualified personnel.
- Use the product according to the local laws and regulations.

⚠ **ATTENTION** - The use of NON Polini batteries, chargers or other aftermarket accessories compromises the regular operation of the system and can cause damage, and also invalidate the original warranty.

1.1- IMPORTANT SAFETY INFORMATION

⚠ **DANGER - How to handle the battery**

- Do not deform, modify and disassemble the battery. Do not apply welding on the battery itself. Doing so may cause leakages, overheating, bursting or ignition of the battery.
- Do not leave the battery near sources of heat such as heaters. Do not heat the battery or throw it into the fire. Doing so may cause bursting or ignition of the battery.
- Do not subjects the battery to strong shocks or throw it. Doing so may cause bursting or ignition of the battery.
- Do not place the battery into fresh or sea water and avoid the battery terminals getting wet. Doing so may cause bursting or ignition of the battery.
- Use only the proper Polini charger to recharge the battery and respect the indicated charging conditions. Not doing so may cause bursting or ignition of the battery.
- If any liquid leaking from the battery gets into contact with your eyes, immediately wash the affected area with clean water without rubbing your eyes and seek medical advice immediately. If this is not done the battery liquid may damage your eyes.
- Do not recharge the battery in places with high humidity or outdoors. Doing so may result in electric shock
- Do not insert or remove the plug while it is wet. If this is not observed, electric shock may result. If there is water leaking out of the plug, dry it thoroughly before inserting it.
- If the battery does not become fully charged after 6 hours of charging, immediately unplug the battery from the outlet to stop charging and contact the dealer. If this is not observed it may cause overheating, bursting or ignition of the battery.
- Do not use the battery if it has any noticeable scratches or other external damage. If this is not observed it may cause bursting, overheating or other problems.
- The operating temperatures ranges of the battery are given below. Do not use the battery with temperature outside these ranges. If the battery is used or stored in temperatures outside these ranges, fires, injuries or operation problems may occur.
  1. During use: –20 °C /+ 60 °C
  2. During charging: 0 °C /+ 45 °C

TO ENSURE SAFE RIDING

- To avoid accidents when the bicycle is moving, do not dedicate too much attention to the display of the cycle-computer.

USING THE PRODUCT SAFELY

- Be sure to remove the battery before wiring or connecting the parts to the bicycle. Otherwise an electric shock may result.

⚠ **CAUTION**

TO ENSURE SAFE WHEN RIDING

- Observe the instructions given in the user's manual for the bicycles.

USING THE PRODUCT SAFELY

- Periodically check the battery charger, particularly the wire, plug and the case to check the presence of any damage. If the charger or adapter are broken, do not use them till they have been repaired.

- This device is not intended for use by persons (including children) with reduced physical, sensor or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not allow children to play near the products.
- Contact a dealer for any information about installation and adjustment of the product.
- Do not turn the bicycle upside-down, leaning it on the ground. This operation may damage the display or the button.
- Handle the products carefully and avoid subjecting them to any strong shocks

⚠ **CAUTION - Do not use high pressure water jets or steam jets to clean the motor, display and battery because they could cause damages or malfunctioning. If it should happen, please immediately contact an authorized dealer. Do not use jets of compressed air to dry the motor.**

HOW TO HANDLE THE BATTERY

- Do not leave the battery in a place exposed to direct sunlight, inside a vehicle on a hot day, or other hot places. This may result in battery leakage.
- If any leaked fluid gets on your skin or clothes, wash it off immediately with clean water. The leaked fluid may damage your skin.
- Store the battery in a safe place out of the reach of infants or pets.
- If any malfunctions or other problems occur, contact the dealer.
- Never attempt to modify the system yourself, as it may cause problems of malfunctioning.
- When the battery is removed, the bicycles works as a normal bicycle. If the light is connected to the motor, it does not turn on.
- When charging the battery while it is mounted on the bicycle, be careful of the following:
  - When charging, make sure that there is no water on the charging port or on the charger plug.
  - Make sure that the battery is locked into the battery mount before charging.
  - Do not remove the battery from the battery when charging.
  - Do not use the battery with the charger mounted.
  - Close the charging port on the battery when not charging.
- When carrying the E-Bike in a car, remove the battery from the bicycle and place the battery on a stable surface in the car.
- Before connecting the battery, make sure that there is not build-up water or dirt on the connector where the battery will be connected.
- The use of a Polini original battery is recommended
- Keep out of the reach of children
- Before cleaning the E-Bike, always remove the battery.

2.0- FEATURES OF POLINI E-P3+ SYSTEM

The following information must be satisfied before using the E-P3+ propulsion system:

- Battery is charged, inserted and turned on.
- Speed sensor is connected in accordance to the central movement and the magneto is properly placed.

When the speed of 25km/h is reached, the propulsion system disconnects automatically. The system turns on again when starting pedalling and the speed is lower than 25km/h.

Power assist stops simultaneously when the rider stops pedalling. Quick re-start of the power assist upon starting pedalling. Power assist system cooperates and harmonizes with rider's output.

2.1- TURN E-P3+ SYSTEM ON

1. Turn the battery ON using the on/off button
2. Select your preferred assist mode from 1 to 5 using the arrow buttons.
3. The motor will start when the pedals start turning
4. Change the assist mode in accordance with the conditions of use. (see paragraph 5.0)

2.2- TURN E-P3+ SYSTEM OFF

To turn the E-P3+ system off, first switch the display off and the battery will switch off too.

3.0- BATTERY

3.1- DATA SHEET:	Lithium ion rechargeable battery
TNominal tension:	36 V
Nominal capacity:	13.8Ah
Energy:	500 Wh
Working temperature:	Charged: 0°+45°C - Dead: -20°+60°C
Storage temperature:	1 year: -20+25°C / 3 months: -20+45 °C 1 month: -20+55°C
Air humidity:	45-70 %
Dimensions:	348x81x72.3 mm
Weight:	2,620 Kg

⚠ **DANGER**

- Use the POLINI specified battery charger and observe the specified charging conditions when charging the battery. Not doing so may cause overheating, bursting or ignition of the battery.

⚠ **CAUTION**

- When removing the battery charger power plug from the outlet or the charging plug from the battery, do not pull it out by the cord.
- When charging the battery while it is mounted on the bicycle, be careful not to trip over the charger cord or get anything caught on it. This may lead to injury or cause the bicycle to fall over, damaging the components.
- If the bicycle is stored for an extended period of time immediately after purchasing it, charge the battery before using the bicycle.

3.2- INDICATIONS OF THE BATTERY CHARGE LEVEL

After pushing the LED light button, the five LED lamps indicate the charge level. Each LED corresponds to 20% of capacity. You can check the current charging status on the LED lamp on the battery (state of charge). When charging the battery, the LED lamps are blinking.

LED	Charge Level
|	0 - 20 %
||	20 - 40 %
|||	40 - 60 %
||||	60 - 80 %
|||||	80 -100 %

⚠ **WARNING**

When the battery charge level is at 10%, the system manages independently the motor assistance to exploit the residual charge at the best.

When the battery charge is not enough to give assistance to the motor, the system will stop independently the motor to grant the use of the light and of the display.

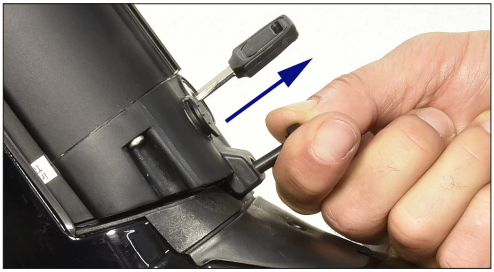
3.3- INSTALLING AND REMOVING THE BATTERY

➞ **CAUTION** - always turn the battery off before removing or installing it.

REMOVING THE BATTERY

1.Unscrew the security screw

2. Insert the key in the cylinder on the battery holder.
3. To open it, turn the key while pulling the battery upwards.
4. Grab the upper side of the battery and remove it from the holder.



INSTALLING THE BATTERY

1. Insert the battery into the battery mount paying attention not to damage the rubber gasket.
2. First insert the upper part of the battery and then the bottom part of the electric connectors.
3. Press the battery until a click is heard to lock it. Battery may be assembled even if the key is not inserted.
4. Proceed carefully and without too much strength to avoid damaging the electric connectors.

5. Tighten the safety screw.
6. Remove the key and store it in a safe place.o

⚠ **DANGER** - Do not ride the bicycle with the key inserted, to prevent the battery from falling out and avoid loosing the key.

➞ **CAUTION** - Before riding your bicycle, make sure that the battery is locked in place and charging port cap is closed.

➞ **CAUTION** - before carrying the bicycle remove the battery and store it in a dry place. Protect the bicycle electric contacts from atmospheric agents. We recommend using the battery housing lid, item 955.520.009.

3.4- BATTERY KEY

➞ **CAUTION** - if you lose the keys, contact your dealer to replace the whole key lock.

3.5- CLEANING THE BATTERY

- Do not use thinner or other solvents to clean any of the products. These substances may damage the surfaces.
- Use a damp cloth, with the water well wrung-out, when cleaning the battery and plastic cover.
- Batteries are not guaranteed against natural wear or deterioration from normal use.
- This battery is designed to be fully waterproof and to be used when raining while properly installed on the bicycle. Do not put the battery in contact with water when not installed on the bicycle because the electric terminals, in these conditions, are not protected.
- Do not clean the battery using high pressure water jets. If the water penetrates inside the parts, some problems may result.
- Before cleaning the E-Bike, always remove the battery.

3.6- CHARGING THE BATTERY

The battery is prearranged and designed to be used with E-P3+ Polini system only. Charging can be carried out at any time regardless of the amount of charge remaining. Anyway, you should fully charge the battery at the following circumstances (be sure to use the dedicated charger when recharging the battery during these circumstances):

- The battery is not fully charged at the time of purchase. Before riding, be sure to charge the battery until it is fully charged. If the battery has become fully spent, charge it as soon as possible. If you leave the battery without charging it, it will deteriorate before its time.
- If the bicycle will not be ridden for a long period of time, store it away with approximately 70% battery capacity remaining. In addition, take care not to let the battery become completely empty by charging it for 2 hours every 3 months.

Charging the battery only

1. Turn the battery off
2. Connect the battery charger's power plug to the outlet.
3. Insert the charging plug into the battery's charging port. Charge the battery on an indoors flat surface.

Charging the battery while installed onto the bicycle

1. Turn the battery off
2. Stabilize the bike to ensure that it does not fall during charging.
3. Insert the battery charger power plug into the outlet.
4. Insert the charging plug into the battery's charging port on the battery itself.

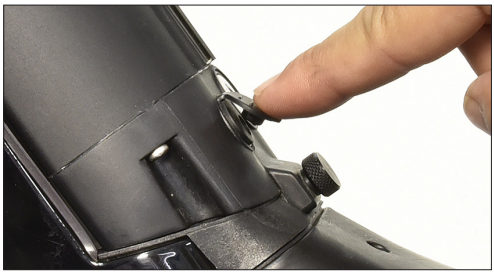
NOTE: remember that a battery fully discharged needs 4-5 hours to fully charge

⚠ **CAUTION** - charge the battery respecting the safety advises

➞ **CAUTION** - avoid any deposit of dirt on the connections of the battery chargers and connectors.

➞ **CAUTION** - a possible interruption during the recharging operation does no damage the battery.

➞ **CAUTION** - after every recharge, close the rubber on the battery plug.



3.7- ABOUT THE CHARGER LED LAMP

Charger connected into the outlet and battery under charge – RED Power led /RED charge led

Charger connected to the network and battery charged (recharged ended) - RED Power led /GREEN charge led

Time to recharge a dead battery is about 5 hours

3.8- DUAL BATTERY

For this system use exclusively two POLINI E-P3+ batteries code 955.830.001. Switch both the batteries ON to activate the dual battery system. The system will manage the use of the energy of the batteries to send to the E-P3+ motor. It is not necessary that both the batteries have the same level of charge; the system will manage the available energy using first the battery with more charge and then it will use simultaneously both the batteries and it will optimize automatically the consumption for the motor.

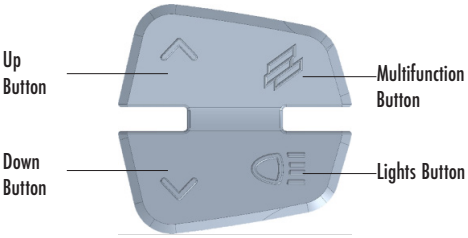
You can use the bicycle with one battery installed only, the upper or the lower one. Charge the battery separately; you must use two rechargers if you want to charge them at the same time.
To avoid any damage to the electrical contacts of the dual battery system, if you install one battery only, cover the free housing on the down or top tube with the battery housing cover code 955.520.009.

4.0- DISPLAY TFT

⚠ **DANGER** - to use the display while pedaling can distract the cyclist and cause accidents. Always follow the road rules.

4.1- FUNCTION BUTTONS

4 BUTTON SWITCH CONTROLLER



In the display pages:
Up Button ↑:

- short press: increase the assistance level
- long press: WALK function (this function is activated only if the assistance level is set from 1 to 5)

Down Button ↓ :

- short press: decrease the assistance level
- long press: shortcut to Reset Trip (partial kilometers)

Multifunction Button (Polini logo):

- short press: change the display page (main screen, fitness, Average,...)
- long press: connect to the Menu page, only if the bike is stationary.

Lights Button:

- lights on/off (if installed)

In the Menu pages:
Up Button ↑ and Down ↓:

- select the required option

Multifunction Button (Polini logo):

- short press: confirm the selected option
- long press: quick exit from the Menu pages

3 BUTTON SWITCH CONTROLLER

FUNCTION BUTTONS
In the display pages:

Key +:

- Short pressure: it increases the level of support
- Long press: WALK function (this function only activates if the assistance level is set from 1 to 5)

Key -:

- Short pressure: it decreases the level of support
- Long press: lights on/off.

Multi-function button (middle button):

- Short press: it changes the display page (Main screen, Battery screen, Fitness, Average)
- Long press: it calls up the menu page, only if the bike is stationary.

For the menu pages, see the 4-button command, in the menu pages:
Up and down button: Select the desired option

Multi-function button:

- short press: it confirms the selected option
- Long press: quick exit from the menu pages

With batteries set up for remote ignition, the multi-function button turns on the bike.

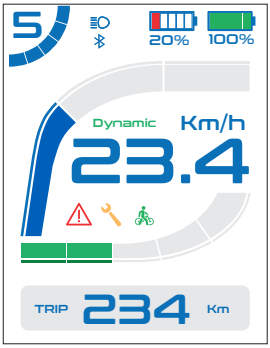
It is compatible with:

- V2 display (The V1 version is NOT compatible. (To understand which version it is, look at the text behind the display)
- Microdisplay

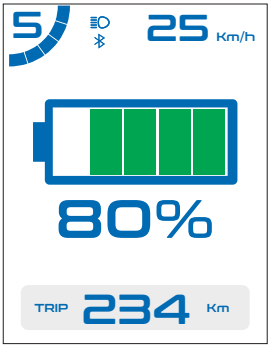
4.2- PAGES

Starting from the home page (with partial Trip kilometers), by pressing the multifunction button (Polini logo) you can reach the following pages in rotation:

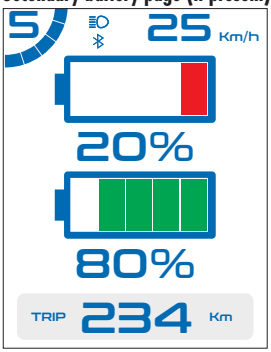
Home page with partial trip kilometers

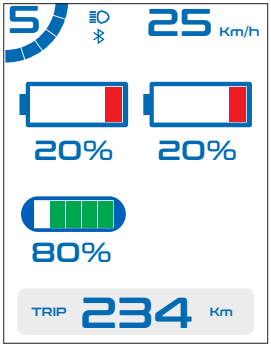


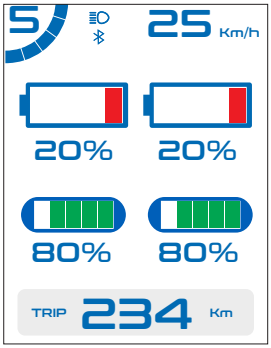
Battery page

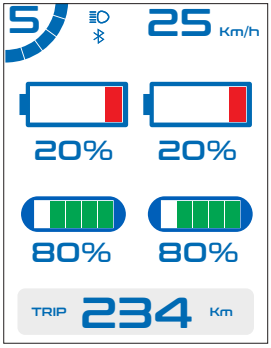


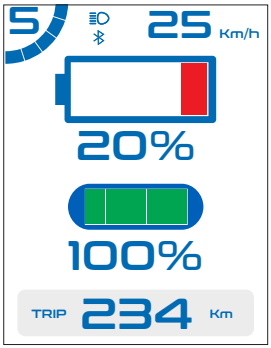
Secondary battery page (if present)



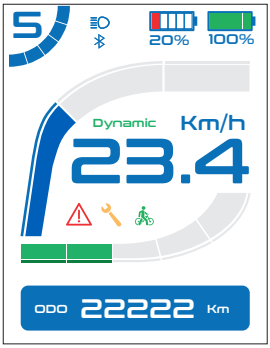




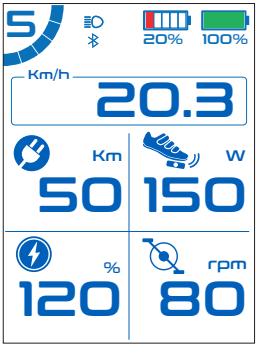




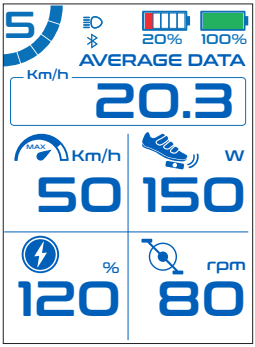
Home page with Odometer total kilometres



Fitness page (it displays the values in real time)

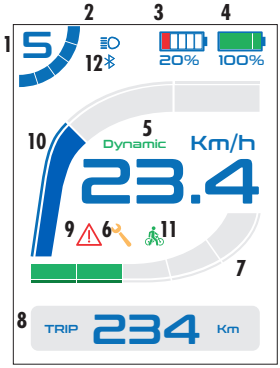


Average Fitness page ((it displays the average of the values recorded since the last trip reset). To reset the page values, press and hold the down button ↓ or use the appropriate option in the menu



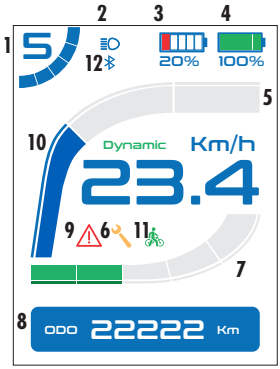
PAGES IN DETAIL

Home page with partial trip kilometres



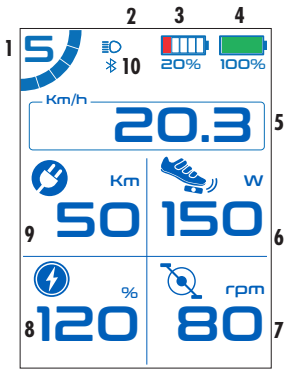
1. Assistance Level
2. Lights
3. Battery 2
4. Battery 1
5. Motor map
6. Maintenance
7. Motor power %
8. Partial trip
9. Anomaly
10. Speed
11. Walk
12. Bluetooth

Home page with Odometer total kilometres



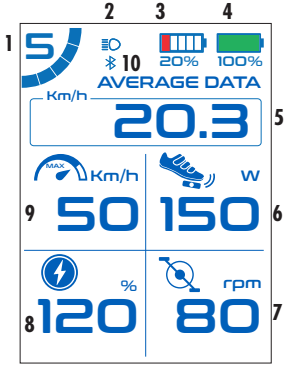
1. Assistance Level
2. Lights
3. Battery 2
4. Battery 1
5. Motor map
6. Maintenance
7. Motor power %
8. Odometer
9. Anomaly
10. Speed
11. Walk
12. Bluetooth

Fitness page (values in real time)



1. Assistance Level
2. Lights
3. Battery 2
4. Battery 1
5. Speed
6. Power on the pedals
7. Pedaling cadence
8. Motor power
9. Autonomy (see paragraph 4.7)
10. Bluetooth

Average fitness Page (average values)

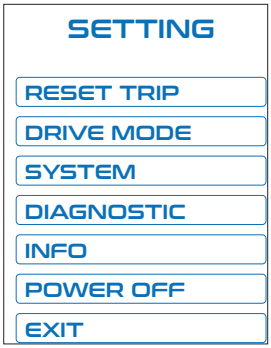


1. Assistance Level
2. Lights
3. Battery 2
4. Battery 1
5. Average speed
6. Average power on the pedals
7. Average pedaling cadence
8. Motor power media
9. Remaining kms
10. Bluetooth

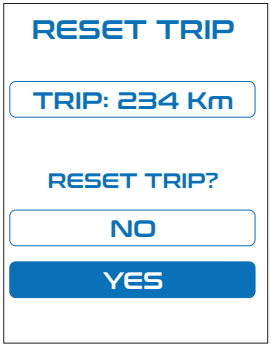
4.3- MENU

By pressing the multifunction button (Polini logo) for more than 1 second, the menu is showed only if the bike is stationary

General Menu:



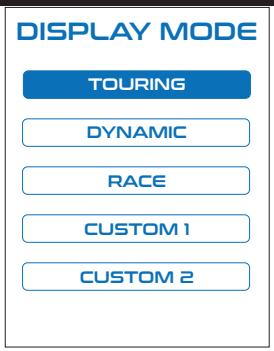
Reset Trip: it resets the Trip partial kilometers and all the statistics of the Average Fitness page



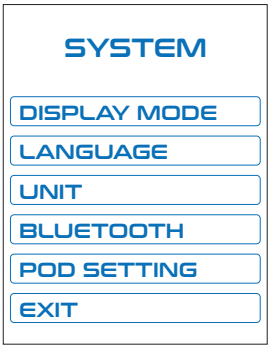
Motor Map: select the desired motor map

Motor maps description:

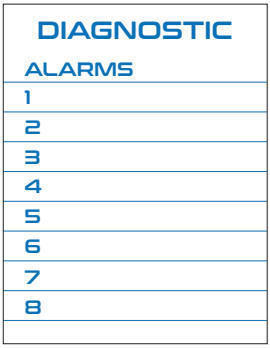
- **Touring:** sweet and progressive without giving up the power that the Polini motor can offer, it favors a soft response and longer mileage . Recommended for all cyclists who live the bike as a way to discover the world.
- **Dynamic:** sporty character, great performance while maintaining a dynamic balance thanks to the all new PDC software. It guarantees a natural but at the same time reactive pedaling.
- **Race:** uncompromising, powerful and forceful like a real race mode to offer maximum performance. The set up was developed through the experience gained in the races of the World Series Championship and the Italian FMI Championship.
- **Custom 1/ Custom 2:** fully configurable by the cyclist through the Smartphone application.

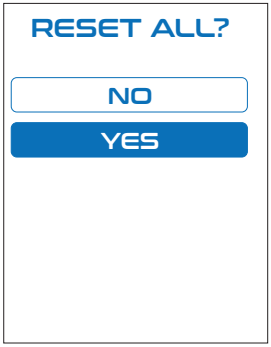


System: it includes a submenu that allows you to configure some settings. For a detailed description, refer to paragraph 4.4- SYSTEM MENU SPECIFICATIONS



Diagnostic: it displays the last 8 alarms recorded, which can be reset at the exit of the page





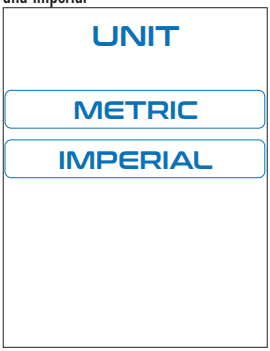
Information: it contains information such as Display Firmware, Motor Firmware, serial number of the motor, serial number of the battery

4.4- SYSTEM MENU SPECIFICATIONS

Display mode: select the graphic theme of the display, light, dark or variable according to the ambient light.

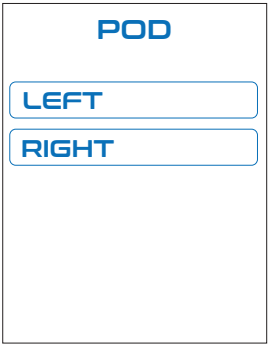
Language: select the language between Italian, English, Spanish, French, German

Unit of measurement: select the unit of measurement between metric and imperial



Bluetooth: enable/disable Bluetooth and display the Mac Address of the motor for pairing with Smartphone

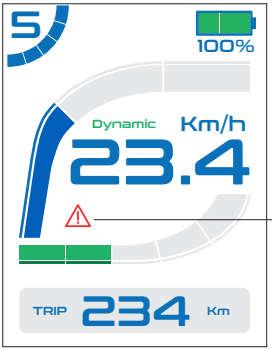
POD: it allows you to reverse the function of the "Up" and "Down" buttons in order to mount the control panel on the left or right on the bike handlebar.



4.5- ALARMS

While using the bike, an anomaly is displayed with a warning indicating the relative error code:

By pressing any button, the warning disappears, and the triangle icon will appear on the main screen:

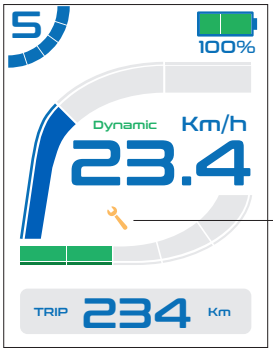


In the menu under "Diagnostic" you can see the last eight alarms detected and reset them. By resetting them, the triangle icon will also disappear from the main screen.

Alarm Code	Description	Corrective actions
10 12 15 17	Motor anomaly	Turn the bike off and on again, if the problem persists, contact Support
11	Temporary motor anomaly	Wait for the motor to cool down, if the problem persists, contact Support
13	Battery overvoltage	Turn the bike off and on again, if the problem persists, contact Support
14	Battery undervoltage	Turn the bike off and on again, if the problem persists, contact Support
16 25 34 35	Cyclist torque anomaly detection	Turn the bike off and on again, if the problem persists, contact Support
18 22	Battery communication error	Check the connection between the battery and the motor
19	Sensor anomaly on wheel	Check the position of the magnet and speed sensor on the rear wheel. Check the sensor electrical connections
20 21 26	Communication error with the display	Check the connection cable between the display and the motor
23 24 31 32	Battery temperature anomaly	Cool down the battery, decrease the motor assistance level
33	Mandatory firmware update	Update the display firmware through the Polini updater program
27 28 29 30	Motor anomaly	Verify that the motor is updated to the latest firmware, if the problem persists contact assistance
98 99	Anomaly control panel	Turn it off and on again if the problem persists contact assistance

4.6- MANTEINANCE

The appearance of the "wrench" icon suggests a general check of the motor and greasing at a Dealer Point, which will make the necessary checks and reset the signal.

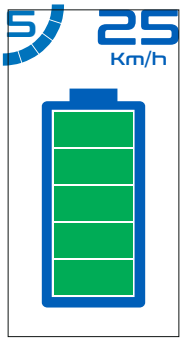


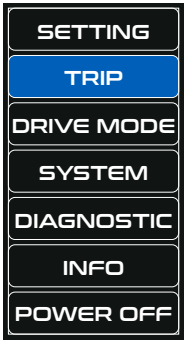
4.7- MICRODISPLAY

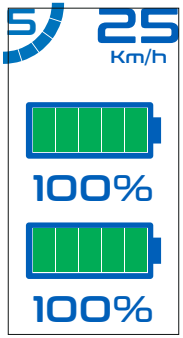
The Polini integrated display has been designed for a complete union with the frame of your e-bike. Thanks to its reduced size, the high brightness and resolution 1,45" Color TFT display grants an easy display of the information.

The main features can be displayed and recall through the dedicated switch controller.

1. Lights
2. Assistance level
3. Heart rate monitoring
4. Anomaly
5. Motor maps
6. Primary battery
7. Walk assistance







4.8- AUTONOMY

The kilometers remaining before the complete discharge are estimated (considering the state of the battery charge) through a sophisticated self-adaptive algorithm that takes into account the instantaneous travel speed and the current absorbed by the motor.

There are several parameters that may influence this calculation:
- type of bike
- type of tires
- bike weight
- cyclist weight
- type of route: plain, hilly, mountain
- temperature
- average speed of travel
- wind
- use of lights

The optimal range with the 500 Wh battery was estimated at 220 km with a racing bike, a cyclist weighing 65 kg, at a speed of 25km/h on a flat course, outside temperature of 20 ° and light wind.
- The calculated data are estimated and approximate values that may differ from the actual result. The exact data vary depending on the type of use and the external influences listed above.
- The calculated values are valid for new batteries (whose capacity decreases affecting the autonomy, just as it happens for all lithium-ion batteries due to aging and use).

5.0- ASSIST-MODE ADJUSTMENT

The E-P3+ electric motor helps the cyclist's performance with 5 levels of assistance (it is possible to travel even without the motor assistance). The assistance levels are adjusted through the controller on the handlebar and the selected level is active immediately. The selected level is visible at the top left of the display.

Activate assistance – The display indicates assistance level 0 (zero). Press the button (↑) on the controller; the motor activates the pedal assistance. In the display of the assistance level the first segment and the number 1 are lighted up.

Increase/Decrease the assistance – Press the buttons (↑ and ↓) on the controller to choose a higher or lower assistance level. In the display of the assistance level the next segment and the number related to the assistance are lighted up.

Pedaling without active assistance - Press the button (↓), until level 0 (zero) is displayed.

NOTE: the 5 levels of assistance with increasing help level are influenced by the type of mapping set: the 3 types of standard maps (Touring, Dynamic and Race) and the 2 customizable maps through the APP (Custom 1 and Custom 2) . The mapping defines the type of motor response in relation to the thrust and riding style of the cyclist. Refer to paragraph 4.0 for mapping settings.

NOTE: when the battery has a low charge level, the assistance level is automatically reduced to preserve the battery itself; in this condition the higher levels will no longer be selectable.

5.1- SUGGESTS TO OPTIMIZE THE RANGE

Pedal: slow pedalling consumes a lot of energy; maintain a pedalling frequency higher than 70 rpm to optimize the efficiency.

Driving style: many hard braking and starts produce more consumption, when possible, prefer a constant speed.

Gear shifting: when starting and climbing it is better to use lower gears, while it is better to use higher gears only on adequate route and with proper speed.

Tires pressure: keep the tires with the maximum allowed pressure to improve the range.

Temperature and battery: battery range decreases when temperature lowers (because the electric resistance increases) so in winter the range is reduced.

Weight: reduce the bicycle weight and luggage at the minimum.

NOTE: if the battery charging level is low, the motor cannot exploit all its

power. In this case, for a longer battery range, it is recommended to set a low level of pedal assistance.

5.2- THRUST ASSIST (WALK)

For starting or the thrust of the e-bike you may use the walk assist. Walk assist function can be activated for speed lower than 6 km/h and it can be used to walk the bicycle. When walking the bicycle, move close to it. The walk assist moves the bicycle.

⚠ **ATTENTION!** The walk assist moves the electric bike. Grab the handlebar and brake. Your strength and the walk assist may accelerate the bicycle significantly. Pedals may move and injury you during their movement! Do not use the walk assist for a long time.

Activate walk assistance

Press and hold the button (🡅); walk assistance is activated and it moves the bicycle. In the main menu the "bike" symbol of the walk assist will be visible.

⚠ **ATTENTION:** level of assistance must not be zero.

Disable walk assistance

Release the button (🡅); walk assistance is deactivated. In the main menu the "bike" symbol of walk assist will no longer be visible.

6.0- HEADLIGHTS – INSTALL ADDITIONAL LIGHTS

If the lights are installed on the bike, use the dedicated button to activate or deactivate them.

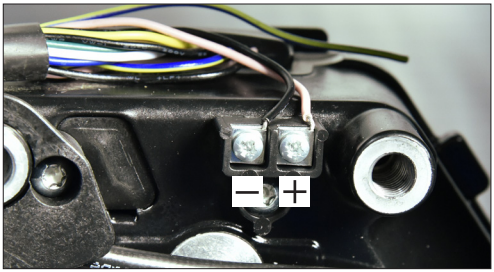
Switch on: briefly press the lights button; the symbol on the display indicates the lighting status.

Switching off: briefly press the lights button; the symbol on the display goes off.

Additional lights installation

A terminal block is installed on the right side of the motor body for the lights wiring which must have the following characteristics:

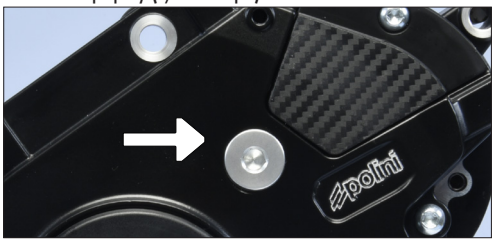
1. Lights voltage: 6 Vdc o 12Vdc (the choice of voltage is made through a special software that can be downloaded from the site)
2. The sum of the lights powers must not exceed 9 W if a voltage of 6 Vdc is selected; or 18 W if the lights are 12 Vdc.
3. The block is equipped with two cable fixing points identifiable as + (red) and - (black). Connect the + of the motor to the + of the front and rear lights. Connect the - of the motor to the - of the front and to the – of the rear lights. Fix the 3+3 cables between the two small metallic plates placed on the terminal block and tight them using the proper screws.



7.0- MAINTEINANCE – ERRORS DETECTION

Lubricate the motor gear every 5000 km for maximum noise reduction.

- remove the crown-holder if necessary
- unscrew the cap of the grease tank and add about 2/3 grams of Polini specific grease code 955.435.001
- fit all the parts again paying attention to tight the crown holder screw properly (5/6Nm torque)



The display does not read the speed

Verify the distance between speed sensor and magneto (maximum 15mm) in the position indicated by the line. If it is not enough or too much or if the speed sensor hasn't been properly connected the E-P3+ motor works in the emergency mode.

In this case, loosen the screw of the magneto and fix the magneto on the ray so that it is at a correct distance respect to the speed sensor symbol. If even after this operation the speed has not been displayed, contact an authorized bicycles' dealer.

The e-bike does not work

First turn the e-bike off, remove the battery from its place (paragraph 3.3), turn on and off the disconnected battery. If it does not work contact your dealer.

7.1- CLEANING THE MOTOR

It is FORBIDDEN to clean all the parts of the E-P3+ system using pressure water, pressure water jets or to immerse the motor in the water.

After washing the motor, carefully dry all the parts to avoid possible damages or malfunctioning. In case of problems coming from water infiltrations, immediately turn to an official dealer.

8.0- ASSEMBLY OF THE WATER BOTTLE HOLDER

Insert the water bottle supports in their housing on the battery.

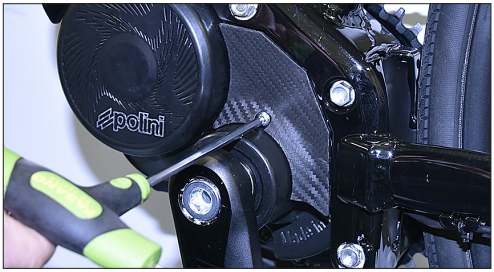
Place the water bottle holder on the supports and screw the dowel using the key supplied till the connection feathers of the holder are fixed on the battery and the water bottle holder does not slide on the guide anymore.

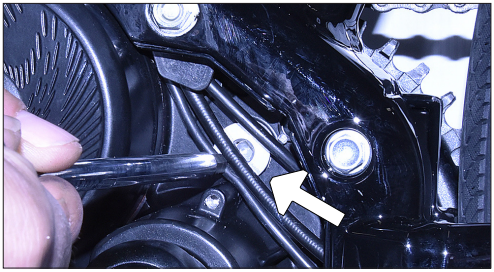
Tight the upper dowel for your safety. The water bottle holder is a Polini patented product.

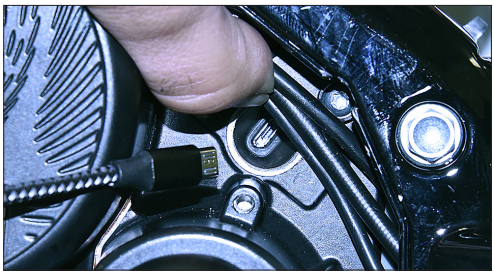
9.0- FIRMWARE UPDATE

Internet connection and a cable with micro USB outlet are required to update the firmware.

Remove the plastic cover, the aluminium cap and connect the cable to the plug in the right direction.







Updated Firmware are available on www.poliniebike.com

Besides the Firmware it is possible (with the cable connected to the motor) to download a software to modify the mounting side of the right or left display and, in case of variation of the tire size, to set the speed detector.

10.0- DISPOSAL

In accordance with the European 2012/19/EU guidelines (waste electrical appliances) and in accordance with the European 2006/66/EG guidelines (used or defective batteries), waste materials must be separately collected and recycled.

Old machines, spare parts or packaging are produced with recyclables materials. The owner is obliged to dispose them in accordance with the laws and the environmental impact.

Disposal information for countries outside the European Union

This symbol is valid in the European Union only. Follow the local regulation for the disposal of used batteries. In case of doubt, contact the place of purchase or a bicycles' dealer.

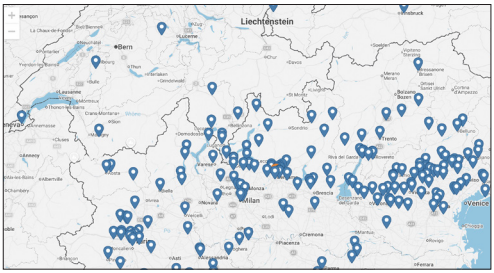
11.0- PRODUCT REGISTRATION

The registration of the EP-3 + motor must be done through the site www.poliniebike.com in the "customer assistance" section.

Enter the "motor registration" area and follow the instructions. It is highly recommended to write the motor serial number which is in the lower side of the motor case (for the models with skid plate installs, remove it).

12.0- SERVICE POINTS

To find the service point nearest to you visit www.poliniebike.com and click "service point" in the "customer service" section.



CUSTOMER SERVICE E-P3+:

Italy – ebike@polini.com , +39 035/2275111
France – Belgium – ebike-fr@polini.com , +33 617986264
Germany – Austria – Switzerland – ebike-de@polini.com
Spain– ebike-es@polini.com

- Use only original Polini Motori spare parts.
- The manufacturer will be free to make any changes which considers most appropriate to improve the characteristics and performance of the products.

EC - DECLARATION OF CONFORMITY

in accordance with Annex II Part 1 Section A to Machinery Directive 2006/42/EC transposed at National level by Legislative Decree January 27th, 2010, no.17

THE MANUFACTURER: Polini Motori S.p.A.
REGISTERED AND OPERATIONAL OFFICE: Via Piave, 30 – 24022 Alzano Lombardo (BG)

DECLARES:

That the E-Bike system named **Polini E-P3 / E-P3+ / E-P3+ EVO (955.002.001/002/003/004/005/006/007/008/009/012/013/020/021/022)** manufactured at its operational office is composed of the following components:

MOTOR

It complies with the essential health and safety requirements related to the design and manufacture of the machinery and of the safety components in accordance with Annex I – Machinery Directive 2006/42/EC transposed at National level by Legislative Decree January 27th, 2010, no. 17

THE FOLLOWING HARMONIZED STANDARDS WERE USED FOR THE CORRECT IMPLEMENTATION OF THE ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX I MACHINERY DIRECTIVE 2006/42/EC

Standard	*Description*
UNI EN ISO 12100:2010	*Safety of machinery – General principles for design – Risk assessment and risk reduction*
CEI EN 60335-1:2013	*Household and similar electrical appliances - Safety - Part 1: General requirements*
CEI EN 60529: 2014 (CEI 70-1)	*Degrees of protection provided by enclosures for electrical equipment "IP55 CODE"*
UNI EN 15194 :2017	*Electrically power assisted cycles. EPAC Bicycles*
EN ISO 13849-1:2015	*Functional safety – Safety integrated*

THE EUROPEAN DIRECTIVES AND ITALIAN LAWS THAT WERE USED

EUROPEAN DIRECTIVES	ITALIAN LAWS
2006/42 EC (Machinery Directive)	Law no.17/2010 (Machinery Directive)
2014/30/UE (EMC)	Law no.80/2016 (Electromagnetic Compatibility)

Person authorized to compile the Technical File

Name: Denis
Surname: Polini
Address: Via Piave, 30 – 24022 Alzano Lombardo (BG)

AUTHORIZED PERSON (Signature)

Denis Polini

Alzano Lombardo (BG), 01/03/2023

SIGNATORY (Legal Representitive)

Polini Franco

EC - DECLARATION OF CONFORMITY

in accordance with Annex II Part 1 Section A to Machinery Directive 2006/42/EC transposed at National level by Legislative Decree January 27th, 2010, no.17

THE MANUFACTURER: Polini Motori S.p.A.
REGISTERED AND OPERATIONAL OFFICE: Via Piave, 30 – 24022 Alzano Lombardo (BG)

DECLARES:

That the batteries for the E-Bike system **Polini E-P3 / E-P3+ / E-P3+ EVO (955.830.001 – 955.830.030 – 955.830.040 – 955.830.035)** are composed of the following components:

BATTERY

It complies with the essential health and safety requirements related to the design and manufacture of the machinery and of the safety components in accordance with Annex I – Machinery Directive 2006/42/EC transposed at National level by Legislative Decree January 27th, 2010, no. 17

THE FOLLOWING HARMONIZED STANDARDS WERE USED FOR THE CORRECT IMPLEMENTATION OF THE ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX I MACHINERY DIRECTIVE 2006/42/EC

Standard	***Description***
2011/65/UE	*RoHs*
UNI EN 15194 :2017	*Electrically power assisted cycles. EPAC Bicycles*
UNI 38.3	*Transportation*

THE EUROPEAN DIRECTIVES AND ITALIAN LAWS THAT WERE USED

EUROPEAN DIRECTIVES	**ITALIAN LAWS**
2014/30/UE (EMC)	Law no.80/2016 (Electromagnetic Compatibility)

Person authorized to compile the Technical File

Name: Denis
Surname: Polini
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AUTHORIZED PERSON
(Signature)

Alzano Lombardo (BG), 01/03/2023

SIGNATORY
(Legal Representitive)

PI774
06A25

polini motori®
trasforma il meglio in massimo

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