



**USE AND MAINTENANCE MANUAL**

# **BOTTLE BATTERY FOR EVO AND LATER BATTERIES ONLY**

 **polini** <sup>®</sup> motori  
*trasforma il meglio in massimo*

## POLINI 250WH BOTTLE BATTERY MANUAL.

Polini bottle battery is an accessorize that provides additional 250Wh of life. For the proper positioning of the bottle battery it is mandatory to fix it using the Polini original system. It is recommended connecting the bayonet plug and paying attention that the connection cable does not interfere when pedaling (Polini original cable sold individually).

### BOTTLE BATTERY COMPATIBILITY:

The bottle battery can be used **ONLY** with motors from version E-P3+ onwards, with 500Wh EVO and 500Wh EVO2 batteries.

### CHARGER:

- 955.830.057 3A charger
- 955.830.060 4A charger

Check the label on the back of the battery or the type of charging plug.

### TECHNICAL DETAILS:

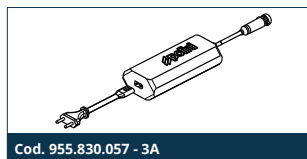
- Capacity: 250 Wh
- Voltage: 36V-7Ah
- Working temperature: Charge 0° +45°C/ dead: -20°+60°C
- Storage temperature: 1 year:-20+25°C/ 3 months -20+45°C  
1 month:-20+55°C
- Air Humidity: 45-70%
- Weight: 1600 g
- Size equal to a 600ml bottle
- Charging time: 2,5 hours
- Color: matt grey
- USB port to be connected to pc, tablet, phone or other devices to be used as POWER BANK
- Safe assembly with fixing systems made by Polini Motori.



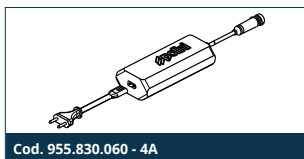
### REQUIRED FOR ASSEMBLY - INDISPENSABILI PER IL MONTAGGIO

<p><b>A</b> BOTTLE BATTERY</p>	<p>Cod. 955.520.024</p>	+	<p>Cod. 955.830.038 L=200 mm</p>	<p>Only compatible with Polini original full integrated down-tube.</p> <p>Compatibile solo con trafilati totalmente integrati originali Polini.</p>	
<p><b>B</b> BOTTLE BATTERY</p>	<p>Cod. 955.520.023</p>	+	<p>Cod. 955.830.039 L=700 mm</p>		
<p><b>C</b> BOTTLE BATTERY</p>	<p>Cod. 955.520.024</p>	+	<p>Cod. 955.520.023</p>		<p>Cod. 955.830.038 L=200 mm</p>
<p><b>D</b> BOTTLE BATTERY</p>	<p>Cod. 955.520.030</p>				

### OPTIONALS - ACCESSORI



Charger 3A EVO - Caricabatterie 3A EVO



Charger 4A - Caricabatterie 4A

**CORRECT USE OF THE BOTTLE BATTERY:**

To use the bottle battery and the EBike battery correctly they both must be switched on and to have enough residual charge. The system self-manage the battery consumption to make them discharge together and to achieve the longest travel. When switching the 500Wh battery the system will switch the bottle battery On too (if connected) and the display will show both the % of charge at the right top of the screen (in the second screen the charge of both the batteries will be shown at full screen).

**⚠ CAUTION!** If the bottle battery will be connected to a **main battery completely out of power** the system will start regularly but with the assistance limited to level 3.

To charge both the batteries it is recommended using the double connection cable - 955.830.033 and the 4A charger – 955.830.043 to optimize the recharge time.

**ACTIVATION OF THE E-P3+ SYSTEM WITH THE BOTTLE BATTERY CONNECTED**

1. Turn on the main battery using the on/off button, then turn on the bottle battery
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

**ACTIVATION OF THE BOTTLE BATTERY ONLY**

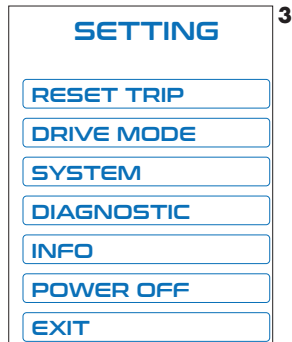
1. Switch the bottle battery ON, press the button placed in the upper side (photo 1) wait till the 3 led light up.
2. The bottle battery will show the charge condition through the leds on the upper side.



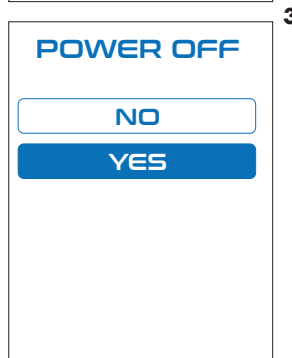
1

**TURN E-P3+ SYSTEM OFF WITH BOTTLE BATTERY CONNECTED**

To switch the E-P3+ system OFF with the Bottle Battery connected it is recommended enter the function "switch off" on the Setting page of the display (photo 3); to switch it off from the 500Wh main battery, the bottle battery will not turn off and the system will stay ON with the assistance limited to Level 3. To switch the Bottle Battery only keep pressed the button positioned on the upper side. (photo 1) the led turns off.



3



3

## CHARGING THE BATTERY/BOTTLE BATTERY

The battery/Bottle 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/Bottle battery during these circumstances):

- The battery/Bottle battery is not fully charged at the time of purchase. Before riding, be sure to charge the battery/Bottle battery until it is fully charged. If the battery/Bottle 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/Bottle battery capacity remaining. In addition, take care not to let the battery/Bottle battery become completely empty by charging it for 2 hours every 3 months.

## CHARGING THE BATTERY/BOTTLE BATTERY ONLY

1. Turn the battery off.
2. Connect the battery/ Bottle 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.

**⚠ CAUTION** - charge the battery/Bottle 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/ Bottle battery.

**⚠ CAUTION** - after every charge close the rubber on the socket of the battery.

## ABOUT THE CHARGER LED LAMP

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



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



Time to recharge a dead Bottle battery is about 2,5 hours.

## BOTTLE BATTERY COMPATIBILITY:

E-P3+/E-P3+ MX motors with 500Wh EVO (Check the label on the back of the battery).

## TECHNICAL DETAILS:

- Capacity: 250 Wh
- Voltage: 36V-7Ah
- Working temperature: Charge 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%
- Weight: 1600 g
- Size equal to a 600ml bottle
- Charging time: 2,5 hours
- Color: matt grey
- USB port to be connected to pc, tablet, phone or other devices to be used as POWER BANK
- Safe assembly with fixing systems made by Polini Motori

## INSTALL AND REMOVE THE BOTTLE BATTERY

**⚠ CAUTION** - Always turn the battery off before removing or installing it.

### INSTALLAZIONE DELLA BOTTLE BATTERY:

1. Insert the bayonet connecting cable in the bottle battery paying attention to the inserting direction.
2. Place the bottle battery in its support and fix it with the Velcro strap bracket
3. Connect the cable to the 500Wh battery

### REMOVE THE BOTTLE BATTERY:

1. Unlock the bayonet connector connected to the 500Wh battery
2. Remove the safety Velcro strap bracket from the frame
3. Remove the Bottle Battery from its support paying attention not to drop it

## CLEANING THE BATTERY/BOTTLE 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/ Bottle battery and plastic cover.
- Batteries/ Bottle battery are not guaranteed against natural wear or deterioration from normal use.

- This battery/Bottle battery has been 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.
- The battery/Bottle battery must not come into contact with water when installed because the electric contacts, in this condition, are not protected.
- Do not clean the battery/Bottle 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/Bottle Battery.

#### **⚠ 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.

**⚠ CAUTION** - 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.

#### **IMPORTANT SAFETY INFORMATION**

**⚠ DANGER** - How to handle the battery/bottle Battery

- Do not deform, modify and disassemble the battery/Bottle battery. Do not apply welding on the battery/Bottle battery itself. Doing so may cause leakages, overheating, bursting or ignition of the battery/Bottle battery.
- Do not leave the battery/ Bottle battery near sources of heat such as heaters. Do not heat the battery/Bottle battery or throw it into the fire. Doing so may cause bursting or ignition of the battery/ Bottle battery.
- Do not subjects the battery/Bottle battery to strong shocks or throw it. Doing so may cause bursting or ignition of the battery/Bottle battery.
- Do not place the battery/ Bottle battery into fresh or sea water and avoid the battery/Bottle battery terminals getting wet. Doing so may cause bursting or ignition of the battery/Bottle 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/Bottle 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/Bottle battery liquid may damage your eyes.
- Do not recharge the battery/Bottle 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/Bottle 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/Bottle battery are given below. Do not use the battery/Bottle battery with temperature outside these ranges.

If the battery/Bottle battery is used or stored in temperatures outside these ranges, fires, injuries or operation problems may occur.

1. During use:  $-20\text{ }^{\circ}\text{C} / + 60\text{ }^{\circ}\text{C}$

2. During charging:  $0\text{ }^{\circ}\text{C} / + 45\text{ }^{\circ}\text{C}$

#### **Use the product safely**

Be sure to remove the battery/Bottle 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/Bottle 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.

#### **Come maneggiare la batteria/Bottle Battery**

- How to handle the battery/Bottle Battery
- Do not leave the battery/Bottle battery in a place exposed to direct sunlight, inside a vehicle on a hot day, or other hot places. This may result in battery/Bottle 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/Bottle 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/Bottle 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/Bottle battery is locked into the battery mount before charging.
  - Do not remove the battery/Bottle battery from the battery when charging.
  - Do not use the battery with the charger mounted.
  - Close the charging port on the battery/Bottle battery when not charging.
- When carrying the E-Bike in a car, remove the battery/Bottle battery from the bicycle and place the battery/Bottle battery on a stable surface in the car.
- Before connecting the battery/Bottle battery, make sure that there is not build-up water or dirt on the connector where the battery/Bottle battery will be connected.
- The use of a Polini original battery/Bottle battery is recommended
- Keep out of the reach of children
- Before cleaning the E-Bike, always remove the battery/Bottle battery.

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

**INDICATIONS OF THE BOTTLE BATTERY CHARGE LEVEL**

After pushing the LED light button, the five LED lamps indicate the charge level. Each LED corresponds to 33% 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 - 33%
	33 - 66 %
	66 - 100 %

**⚠ CAUTION:** Use the Polini fixing system (item 955.520.024 or 955.520.023) to house the Bottle Battery: DO NOT house it on NO original water bottle holders



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