



**BLUEBIRD
INDUSTRIES**

Telescopic battery-powered hedge trimmer

PHT 22-52



Product user manual

-translation of the original instructions-

INDEX

Warning.....	1
Environmental protection.....	1
Pictograms.....	1
Pictogram explanation.....	1
Description of symbols.....	2
Technical specifications.....	2
Parts list.....	2
Product features.....	2
List of parts.....	3
Blade rotation adjustment.....	4
Precautions before use.....	5
Instructions for safe use.....	6
I. Checks before commissioning.....	6
II. Guidelines for use.....	6
III. Insertion and removal of the battery pack.....	6
V. Resetting the fault protection.....	7
VI. Precautions for use.....	7
Blade adjustment.....	7
Common errors and troubleshooting methods.....	8
Safety precautions.....	8
Keep all warnings and instructions for reference.....	8
Work area safety.....	8
Personal safety.....	9
Electrical safety.....	9
Use and precautions for battery-powered tools.....	10
Maintenance.....	10
After-sales service.....	10
Declaration.....	10
Warranty conditions.....	11

Dear users:

Thank you for choosing our product. We develop and manufacture high-quality products according to the needs of our customers. Our products have proven to be highly reliable, even in extreme conditions. The company is also synonymous with excellent service quality. Our professional dealers provide services and support to resolve any questions regarding our products. Thank you for the trust you have placed in our company. We wish you a pleasant user experience.

Attention



Carefully read all warnings and safety instructions. Failure to follow warnings and instructions may result in electric shock, fire, or other serious injuries.

Keep all warnings and instructions for future reference.

Environmental protection

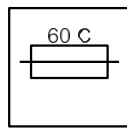
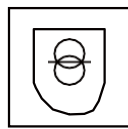
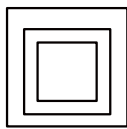
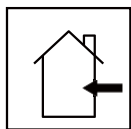


Observe the relevant laws and national regulations for disposal. Electronic and electrical devices cannot be treated as household waste. Equipment, accessories and packaging are recyclable.



It is forbidden to dispose of the machine with household waste.

Pictograms



• Pictogram explanation

1. Read the manual carefully.
2. The charger can only be charged indoors.
3. Double insulation without grounding.
4. Safe transformer against faults.
5. If it overheats, the charger switches off automatically.
6. Do not dispose of with household waste.
7. Do not dispose of batteries with household waste.

• Description of symbols



Read, understand and follow the instructions in the instruction manual



If the power cord is damaged or cut, unplug it immediately.



Wear safety glasses



Wear noise-canceling headphones



Keep this tool away from rain.



Warning Danger



Wear protective clothing



Wear non-slip boots

• Technical specifications

Model	PHT 22-52
Maximum voltage	21V
Minimum voltage	18V
Power	200W
Weight	4.2Kg
Blade length	600mm
Cutting diameter	28mm

- **Parts list:**
 1. Instruction manual
 2. Support tools
 3. Hedge trimmer components

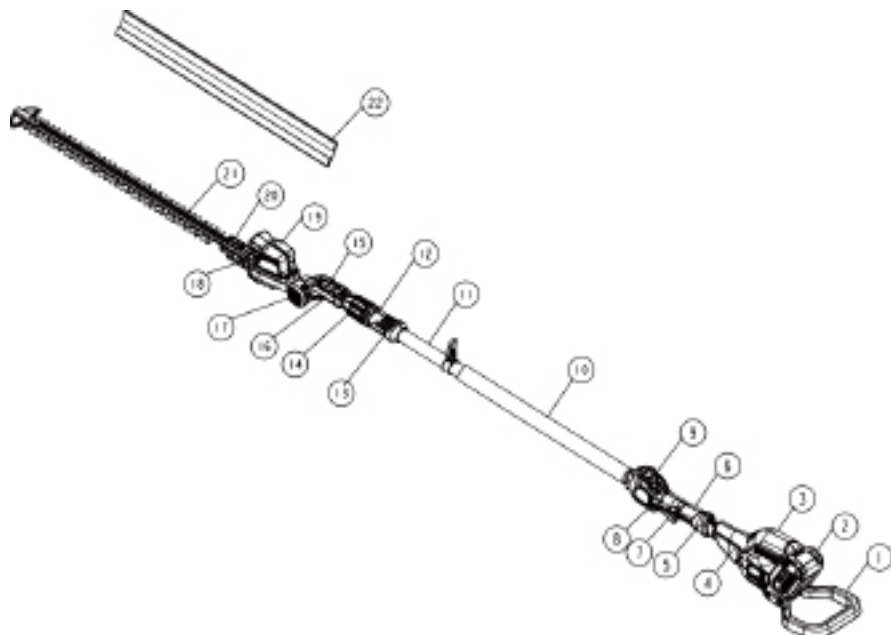


Product features

This machine has many advantages. In addition to being lightweight and easy to handle, it is quiet, energy-saving and eco-friendly, also allowing you to work for many hours. It is suitable for various work environments such as gardens, urban green areas, and tea gardens.

Note: if you use the pole hedge trimmer in difficult conditions, such as at ambient temperatures above 25°C or for several hours, it is necessary to lubricate the gearbox and the blades every 2 hours. For the gearbox, a special lubricating oil is recommended, while for the blades, a light oil should be used.

Parts list

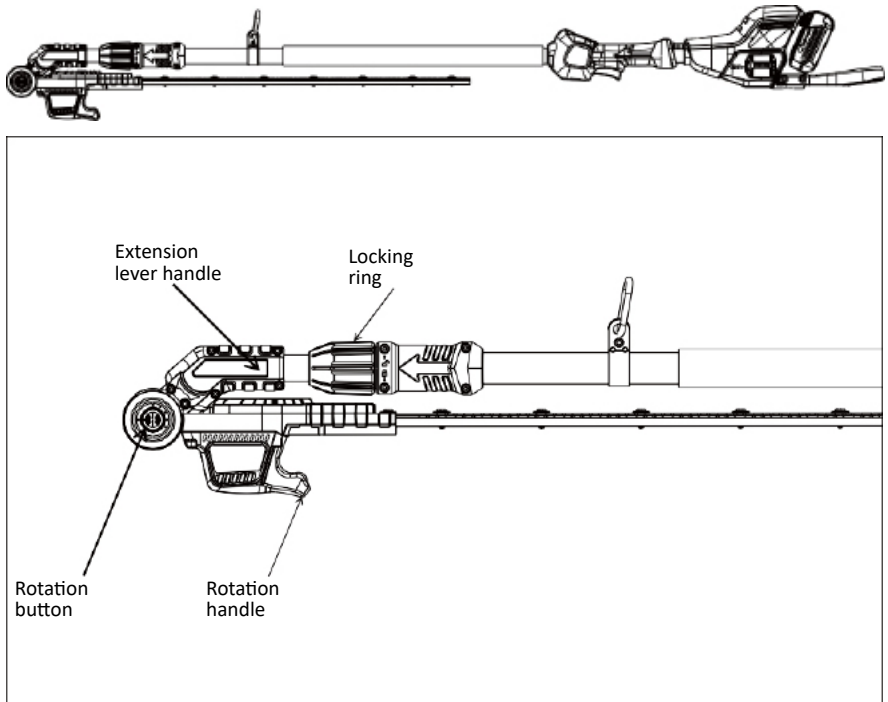


- | | |
|-----------------------|-----------------------------|
| 1. Handle | 12. Left telescopic casing |
| 2. Battery | 13. Right telescopic casing |
| 3. Right casing | 14. Telescopic tube lock |
| 4. Left casing | 15. Right telescopic shell |
| 5. Left handle shell | 16. Left telescopic shell |
| 6. Right handle shell | 17. Blade rotation button |
| 7. Trigger | 18. Left motor casing |
| 8. Lock buttons | 19. Right motor casing |
| 9. Display | 20. Reducer |
| 10. Sponge | 21. Blade assembly |
| 11. Outer tube | 22. Blade assembly guard |

- The manufacturer reserves the right to make changes to the technical specifications without notice.
- Specifications and batteries may vary from country to country.

Blade rotation adjustment

View of the blade rotation angle and bar functions – extension and shortening



1. Blade rotation angle: press the rotation button, hold the rotation handle, press the corresponding arrow on the rotation button to adjust the blade cutting angle
2. Tube extension/shortening: after the locking ring is rotated in the unlocking direction, the height can be adjusted using the extension lever handle



Precautions before use

1. The blade must be sharpened to ensure a good cut.
2. Use the hedge trimmer with adequate lighting and clear visibility, after checking that the ground is not wet. Keep your feet firmly on the ground while working. Do not work in places with unstable ground and maintain your balance throughout the cutting operations.
3. Do not bring any part of your body too close to the cutting blade. While the blade is still operating, do not proceed with removing the cut material or transporting material to be cut. Remove the battery pack before starting to clean the hedge trimmer. Improper use of this tool could cause serious physical injury.
4. Always hold the hedge trimmer with both hands to maintain control.
5. Do not use the hedge trimmer continuously; take 10/20 minute breaks every half hour.
6. If the hedge trimmer hits stones or other heavy objects during cutting, immediately disconnect the power and check if the blades or blade teeth are damaged. If damaged, sharpen the blade and, if necessary, replace it before resuming work.
7. Do not use the hedge trimmer to cut objects that are too hard to avoid damaging the blades.
8. In case of excessive vibrations during use, disconnect the hedge trimmer's power and check if the blades or screws are loose.

Read and understand this instruction manual before using the machine.



Always wear gloves and protective clothing when using this product. If the cutting blade gets stuck, immediately disconnect the power supply. Make sure all moving parts have stopped, disconnect the power supply, and check if the equipment has been damaged. Do not use damaged fittings.



Instructions for safe use

I. Checks before starting operation:

1. Check that all mechanical parts are in proper condition.
2. Check if there are any loose screws. Tighten any loose screws before proceeding with the use of the machine.
3. Check that the blade is not dirty and that it works properly. If there is no lubricating oil on the blade, add low-viscosity oil.
4. Check that the air inlet and outlet tubes are not blocked by foreign objects. Clean them if necessary.

II. Usage guidelines

- 1: Insert the battery pack and make sure it has been installed correctly
- 2: Press the power button to activate the machine. The display turns on.
- 3: Press the speed adjustment button to select the appropriate gear.
- 4: Press the rear trigger to lock, then press the rear trigger.
- 5: Press the rear trigger on the front handle (press the trigger with the collector plate to turn on the machine).
- 6: The machine starts operating.
- 7: Release the trigger during operation. The device turns off. The device turns back on 8: If not used for a long time, the hedge trimmer turns off automatically. To turn it back on, repeat steps 1 to 6.
- 9: Stopping: press the power button to turn off the hedge trimmer. The display turns off.

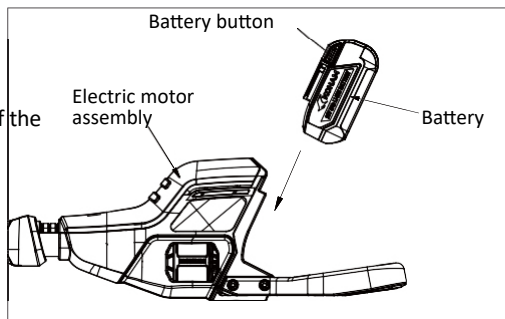
III. Inserting and removing the battery pack

Insertion:

- 1: Align the battery pack with the body of the hedge trimmer
- 2: Push the battery pack parallel to the hedge trimmer body and insert it until you hear a click

Removal:

- 1: Press the button to remove the battery
- 2: The battery pack lifts automatically
- 3: Remove the battery pack from the rear of the hedge trimmer



V. Resetting fault protection:

This machine is equipped with a protection circuit against overcurrents and overheating, thus increasing the lifespan of the machine.

1. In case of sudden overload during use, the overcurrent protection circuit immediately turns off the hedge trimmer to prevent damage.
2. In case of malfunction, release the front trigger and the rear trigger. Press the trigger twice to resume work. If the hedge trimmer still does not work, remove the battery pack and insert it again. Perform the start-up phase.

VI. Precautions for use

1. During operation of the hedge trimmer, make sure the blade does not come into contact with hard objects, such as metals or stones, to prevent the blade from being damaged by chipping or other issues.
2. Do not work at high heights to prevent dangerous situations.
3. Do not use this tool to cut branches with diameters greater than 25mm.
4. If the hedge trimmer is not used for a long time, press the battery pack start switch and unplug the power supply to prevent use by children or people unfamiliar with the machine.
5. Put on the blade cover and store the blade in a dry and safe place.



Blade adjustment



If it is too tight, the blade may cause an overload, thus damaging the tool. Adjust the cutting blade, add screws, and loosen the nuts.

Tighten the screws all the way and then loosen them by 1/2 - 1/4 turn.

Secure screws and nuts in the positions indicated above. Cover the cutting blade with light oil. Start the engine and keep the pole hedge trimmer at maximum speed for at least one minute. Afterwards, turn off the hedge trimmer by disconnecting it from the power supply. Touch the blade with your hand; the blade should now be warm. If the blade, however, is too hot, further loosen the screw by 1/8 turn.

If the bolt has been tightened too much, the blade may not work. It will therefore be necessary to reduce the tightness of the bolt. Nuts with fixed blades are made of special materials and therefore must not be replaced with other nuts. If the bolt is damaged, replace it with a new one. If the bolts and gaskets are worn or damaged, they must be replaced.

If the bolts wear out, the distance between the screws increases. The blade becomes wider. The vibration of the blade increases proportionally. When the distance between the blades exceeds 1.5mm, it is necessary to replace the screws and gaskets

The adjustment method described below can only be carried out by technicians of agents designated by our company. Open the gearbox, turn the drive gear by hand, and check whether the rotation between the drive gear, the shaft, and the connecting rod is well coordinated. If rotation is missing, or if it is difficult, it means the screws are too tight. Then adjust the screws one by one from the bolts at the end of the blade. In other words, you can manually turn the drive gear to check its adjustment status. Our company has already had a thin layer of engine oil applied to the blades before shipping. However, for reasons of storage, transport, or otherwise, the customer must apply engine oil to the blade before using the hedge trimmer. Once the adjustment is complete, test the hedge trimmer to check if the blade is in good condition.

Common errors and troubleshooting methods:

Fault	Check	Remedy
Does not turn on	Check that there is sufficient power supply	Additional electric current
	Check that the battery is correctly installed	Reinsert the battery pack
	Check that the battery is original	Replace or purchase an original battery
Blade jamming	Wear of the cutting blade	Sharpen the blade at the company service center
	Excessive distance between the upper blade and the lower blade	Replace the blade at the company service center
Irregular cutting	Wear of the cutting blade	Sharpen the blade at the company service center
	Excessive distance between the upper blade and the lower blade	Replace the blade at the company service center
Abnormal noise	Excessive gap between the blades	Replace the blades at the company service center
	Wear of gearbox parts	Replace the parts at the company service center
Excessive heat	Check if the air inlet and outlet tubes are blocked by foreign objects	Clean the air inlet and outlet tubes
	Overload	Proceed as specified in the manual



Safety precautions



Warning! Carefully read all safety warnings and instructions, drawings, and regulations provided with the power tools. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

- **Keep all warnings and instructions for reference.**

The term "power tool" used in the safety warnings refers to power tools powered by mains electricity with a power cord or to tools powered by electric current.

- **Work area safety**

1. Keep the work area clean and well lit. Cluttered and dark areas can cause accidents
2. Do not use power tools in explosive atmospheres, where there are flammable liquids, gases, or dust. Sparks generated by power tools can ignite dust or fumes.
3. Keep children and other people away when working with a power tool. If distracted, the operator could lose control of the tool.

- **Personal safety**

1. While using a power tool, always stay alert, pay attention to its operation, and be cautious. Do not use a power tool if you are tired or under the influence of alcohol, drugs, or medication. A moment of inattention while using power tools can cause serious personal injury.
2. Wear personal protective equipment and always wear safety glasses. The use of personal protective equipment, such as dust masks, non-slip safety shoes, helmet, hearing protection, etc., under appropriate conditions reduces the risk of personal injury.
3. Avoid accidental starting of the power tool. Therefore, make sure that the switch is in the off position before connecting the power supply and/or battery pack and before carrying or handling the power tool. If the switch button is accidentally pressed during transport and the power tool is connected to the power outlet while switched on, accidents may occur.
4. Remove any adjustment tools and wrenches before turning on the power tool. The presence of a tool or wrench inside a rotating part can cause injury.
5. Do not overreach with parts of your body. Maintain a stable position and keep your balance. This way you will be able to better control the power tool in case of an accident.
6. Dress appropriately. Do not wear loose clothing or accessories. Keep hair and gloves away from moving parts. Loose clothing, glasses, and long hair can get caught in moving parts.
7. If it is possible to connect the power tool to a chip removal and dust collection device, it must be properly installed and used. The use of these devices can reduce the risks caused by dust.
8. Do not be misled by a false sense of security and do not ignore safety rules for power tools, even if you are familiar with this type of tool and have used them often. A careless action could cause serious injury in an instant.

- **Electrical safety**

1. The power tool's plug must fit the power outlet. The plug must not be modified in any way. Do not use adapter plugs for power tools equipped with grounding. Power tools that must be grounded cannot use adapter plugs.
2. Avoid contact with grounded surfaces, such as pipes, refrigerators. Contact of the body with a grounded surface increases the risk of electric shock.
3. Do not expose the power tool to rain or moisture. Water entering a power tool increases the risk of electric shock.
4. Do not damage the power cord. Do not use the cord to carry the power tool, to pull it, or to unplug it from the power outlet. Keep the cord away from heat, oil, sharp edges, or moving parts. Damaged or tangled cords increase the risk of electric shock.
5. If working with a power tool outdoors, it is necessary to use extension cords suitable for outdoor environments, in order to reduce the risk of electric shock.
6. If it is unavoidable to use a power tool in damp environments, use a residual current device (RCD) to reduce the risk of electric shock.

- **Use and precautions for battery-powered tools**

1. Use only the charger recommended by the manufacturer. A charger designed for a certain type of battery could cause a fire if used with another type of battery.
2. With a battery-powered device, only a specific type of battery must be used. The use of a non-compliant battery may cause a fire
3. When the battery pack is not in use, keep it away from other metallic objects such as paper clips, coins, keys, nails and screws, or other small metal objects that could bridge the two terminals. Short-circuiting the battery terminals can cause burns or fires.
4. Avoid contact with any liquid that may leak from the battery pack if the power tool has been subjected to excessive stress. In case of accidental contact with the liquid, rinse with water. If the liquid comes into contact with the eyes, consult a doctor. The liquid leaking from the battery is corrosive and may cause irritation.
5. Do not use a battery pack or tool that has been damaged or modified. If damaged, a modified battery pack could have unpredictable effects, causing fires, explosions, or injuries.
6. Do not expose the battery pack to fire or excessive temperatures. Exposure of the battery pack to fire or temperatures above 130°C may cause explosions.

- **Maintenance**

1. Entrust the maintenance of your power tool to qualified personnel who use only original spare parts. This ensures the use of the power tool repaired in complete safety.
2. Do not repair a damaged battery pack. The battery pack can be repaired only by the manufacturer or an authorized service center.
3. For battery-powered devices:
 - a. Description of battery pack charging, use of the tool and the battery pack, temperature limits for storage and recommended temperature range for charging
 - b. For battery tools that use removable or separate battery packs, there are specific instructions indicating the appropriate battery pack according to the category code, serial number, and similar
 - c. Specify the charger by indicating the category code, number of series and the like.



After-sales service

If you have any questions during use, please contact us in time. We have professional staff ready to answer questions and solve problems, and maintenance personnel who use the same spare parts, thus maintaining the necessary safety standards.



Declaration

The company reserves the right to make technical improvements to the product described here. Note if there are any changes. In case of discrepancies between the graphic images and the texts, and the actual objects contained therein, the latter shall apply.

Warranty conditions

- Our company guarantees the proper and good functioning of all agricultural and industrial machines we market for a period of 24 months (12 months for professional use) from the time of sale. For the purposes of the product warranty validity period, the sales receipt and/or the purchase invoice of the product itself shall be considered valid.
- This warranty consists in the free replacement of various mechanical and electrical components that become unusable due to manufacturing or material defects, ascertained by our Company.
- The technical staff will intervene as soon as possible, within the time limits allowed by organizational needs, to properly restore the product.
- The warranty is limited to the pure and simple replacement of defective and/or faulty parts after they have been received by us within two months from the date the defect was discovered.
- Except for original and/or manufacturing defects, all parts whose wear is due to normal use are excluded from the warranty. These, for example, are: cutting discs, cutting sections, circular saws, knives, milling cutters, chain saws, chainsaw bars, spark plugs, etc.
- All components recognized by us as defective and replaced free of charge under warranty will be retained by us.
- Any free replacement of components, even if recognized by us as defective, will not, under any circumstances, be a reason or pretext to extend or suspend the payment terms previously agreed upon.
- Throughout the entire warranty period, machines covered by the aforementioned warranty may not be permanently transferred for use, resold, or exported, under penalty of forfeiture of the warranty itself.
- Our Company declines all responsibility for damage to persons or property resulting from improper use of the machines we manufacture, even if such damage is caused by machines still covered by warranty.
- The warranty does not cover tuning and maintenance interventions that may be required during the warranty period.
- The warranty excludes product update and/or improvement interventions. The warranty becomes void in case of:
 - clear lack of maintenance;
 - improper use of the product or tampering;
 - use of unsuitable lubricants or fuels;
 - use of non-original spare parts or accessories;
 - work carried out by unauthorized personnel.
- For engines of other brands (Kawasaki, Honda, Briggs & Stratton, etc.) mounted on our machines, the warranty granted by the engine manufacturers applies.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG-DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELUKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTEMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCTENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCTENT:
Blue Bird Industries Fabbrica Motori SRL
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIET – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
TAGLIASIEPI A PALO A BATTERIA – CORDLESS POLE HEDGE TRIMMER

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:
BLUE BIRD

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / ΤΥΡ:
PHT 22-52

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato V – Sound Power Levels performed per annex V	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
PHT 22-52	91 / 99

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTIEISIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN 62841-1:2015/A11:2022
EN 62841-4-2:2019

e) Il caricabatterie (mod. KH50-2102380-2E) è stato fabbricato e distribuito in conformità con le seguenti direttive: 2014/35/EU, 2014/30/EU e 2011/65/EU
The charger (mod. KH50-2102380-2E) has been manufactured and put on the market in accordance with the following directives: 2014/35/EU, 2014/30/EU and 2011/65/EU
Das Ladegerät (mod. KH50-2102380-2E) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/EU e 2011/65/EU
Le chargeur (mod. KH50-2102380-2E) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/EU e 2011/65/EU
El cargador (mod. KH50-2102380-2E) fue fabricado y distribuido de acuerdo con las siguientes directivas: 2014/35/EU, 2014/30/EU e 2011/65/EU

Importato da - Imported by - Eingeführt von - Importé par - Importado por:



BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.
ZANÈ (VI) – ITALIA 08-05-2023
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ – Prezes

VANDA VITELLA

Cabell

- (GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tilhåndhalden av
(FI) Teknisten asiakirjojen ylläpitäjä
(NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch
(E) Documentacion tecnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentação tecnica mantida por
(SE) Teknisk dokumentation tillhandhållen av
(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA

Cabell



BLUE BIRD INDUSTRIES Fabbrica Motori s.r.l.

Via Due Camini, 19
36010 ZANÉ ITALIA
Tel. 0445 314138
Fax 0445 314225

www.bluebirdind.com