



CAR BATTERY CHARGER ULGD 3.8 A1

(GB)

CAR BATTERY CHARGER

Operation and Safety Notes

(RO)

ÎNCĂRCĂTOR BATERIE AUTO

Instrucțiuni de utilizare și de siguranță

(GR)

ΦΟΡΤΙΣΤΗΣ ΜΠΑΤΑΡΙΑΣ ΑΥΤΟΚΙΝΗΤΟΥ

Υποδείξεις χειρισμού και ασφαλείας

(HR)

PUNJAČ AKUMULATORA ZA AUTO

Upute za posluživanje i za Vašu sigurnost

(BG)

ЗАРЯДНО УСТРОЙСТВО ЗА АВТОМОБИЛЕН АКУМУЛАТОР

Инструкции за обслужване и безопасност

(DE)

(AT)

(CH)

KFZ-BATTERIELADEGERÄT

Bedienungs- und Sicherheitshinweise

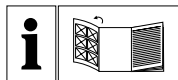
IAN 92517

(HR)

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(BG)

(GR)



GB

Before reading, unfold the page containing the illustrations and familiarise yourself with all functions of the device.

HR

Prije nego što pročitate tekst, otvorite stranicu sa slikama i upoznajte se na osnovu toga sa svim funkcijama uređaja.

RO

Înainte de a citi instrucțiunile, priviți imaginile și familiarizați-vă cu toate funcțiile aparatului.

BG

Преди да прочетете отворете страницата с фигурите и след това се запознайте с всички функции на уреда.

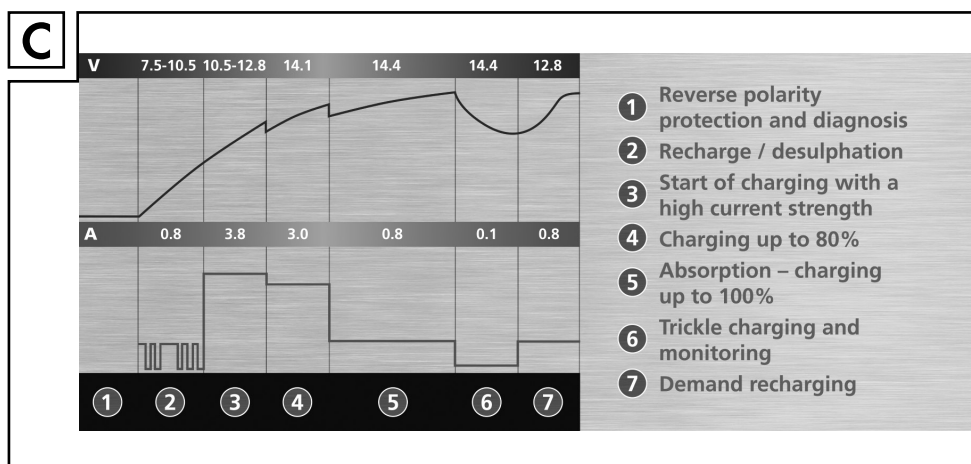
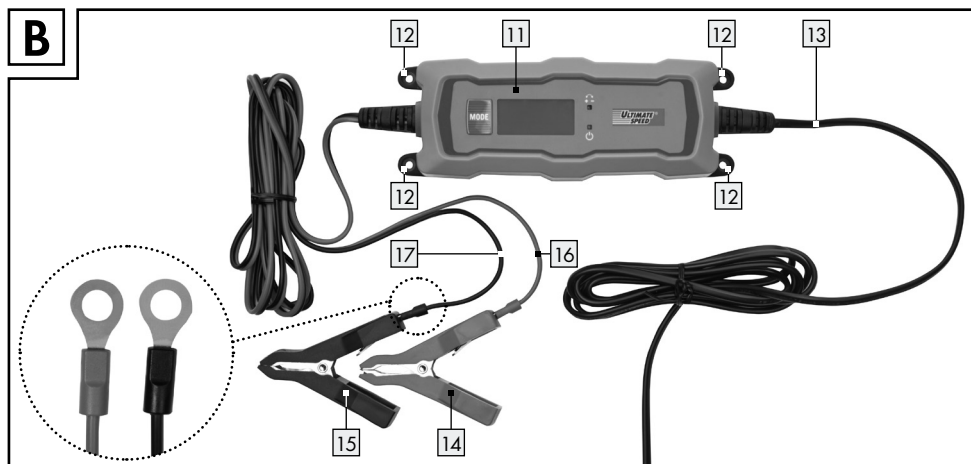
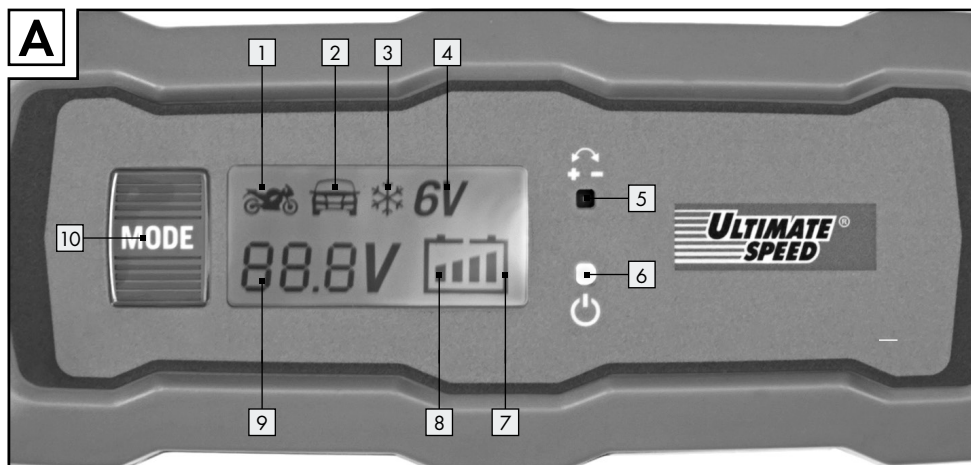
GR

Πριν ξεκινήσετε την ανάγνωση, ανοίξτε τη σελίδα με τις εικόνες και εξοικειωθείτε με όλες τις λειτουργίες της συσκευής.

DE AT CH

Klappen Sie vor dem Lesen die Seite mit den Abbildungen aus und machen Sie sich anschließend mit allen Funktionen des Gerätes vertraut.

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Car battery charger ULGD 3.8 A1

● Introduction

We congratulate you on the purchase of your new device. You have chosen a high quality product. The instructions for use are part of the product. They contain important information concerning safety, use and disposal. Before using the product, please familiarise yourself with all of the safety information and instructions for use. Only use the unit as described and for the specified applications. If you pass the product on to anyone else, please ensure that you also pass on all the documentation with it.

● Intended use

The Ultimate Speed ULGD 3.8 A1 is a multistep car battery charger (also called appliance in the following) for charging and charge retention of 6 V or 12 V lead batteries (in the following called battery in the following). These may be the types AGM-Ca / Ca-GEL-MF-VRLA with electrolyte solution or gel.

The manufacturer is not liable for damage caused by improper use. The device is not intended for commercial use. Only use indoors.


● Scope of delivery

- 1 Charger
- 2 Clamps (1 red, 1 black)
- 1 Instructions for use

● Parts description

See Figure A:




- 1 12 V 0.8 A-(Programme 2)
- 2 12 V 3.8 A-(Programme 3)
- 3 12 V 3.8 A-(Programme 4)
- 4 6 V 0.8 A-(Programme 1)
- 5 LED reverse connection
- 6 LED stand-by
- 7 Charge display

- 8 Condition display
- 9 Voltage display
- 10  Programme selection button (MODE)

See Figure B:


- 11 Charger
- 12 Fastening eyelets
- 13 Mains lead
- 14 „+“ pole clamp (red)
- 15 „-“ pole clamp (black)
- 16 „+“ pole connector cable (red) inc. lug
- 17 „-“ pole connector cable (black) inc. lug

● Technical Data

Input voltage:	220-240 V~ 50 / 60Hz
Rated power:	60 W
Rated voltage outgoing:	6 V  / 12 V 
Rated output current:	0.8 A / 3.8 A
Ambient temperature:	0 °C to 40 °C
Housing protection type:	IP 65
Protection class:	II / 
Battery types:	6 V lead acid battery 1.2 Ah - 14 Ah 12 V Lead acid battery 1.2 Ah - 120 Ah

● Safety

● Safety instructions

- Children or persons who lack the knowledge or experience to use the device or whose physical, sensory or intellectual capacities are limited must never be allowed to use the device without supervision or instruction by a person responsible for their safety.
- Children should be supervised in order to ensure that they do not play with the appliance.
-  **WARNING!** Never use the charger for charging of non-rechargeable batteries.
- During charging, place the removed battery on a well-aired surface.
- The automatic operating mode and the restrictions in use are explained further below in these instructions.

■ DANGER OF ELECTRIC SHOCK!

- Do not operate the appliance if the cables, the mains cable or mains plug are damaged. A damaged mains cable indicates a life-threatening danger due to electric shock.

- Before connecting to the power, ensure that the power connection is earthed, is 230V~ 50 Hz, and is 16 A fused and equipped with an RCCB switch (residual current circuit breaker) in accordance with the current regulations!

- Disconnect the charger from the grid, before you make or break connections to the battery.
- First, connect the clamp that is not connected to the bodywork. Then connect the other clamp to the bodywork, away from battery and fuel pipe. Only after this, connect the charger to the grid.
- After charging, disconnect the charger from the grid. Only after this remove the clamp from the bodywork. Following this, remove the clamp from the battery.

■ DANGER OF EXPLOSION AND FIRE

HAZARD! Protect yourself from a highly explosive hydrogen-oxygen reaction!

- Ensure that during charge and charge retention procedures, there are no naked lights (flames, cinders or sparks)!
- Ensure that the plus cable does not come into contact with fuel lines (e.g. petrol pipe)!
- Ensure that there is no possibility of ignition of explosive or flammable substances, such as petrol or solvents, while using charger!

■ DANGER OF CHEMICAL BURNS!

Wear protective glasses! Wear protective gloves! If eyes or skin has come into contact with battery acid, rinse the affected body region off with a large amount of clean water and consult a doctor straight away!

- Avoid causing a short circuit when connecting the charger to the battery. Connect the negative pole connector cable only to the negative battery or to the body work. Connect the positive pole connector cable only to the plus pole of the battery!
- Do not place the charger close to fire, heat or to places with long-term exposure to temperatures over 50 °C!

- Ensure that no fuel lines, electric cables, hydraulic or water pipes are damaged by the screws during assembly of the charger!
- Do not cover the charger with any objects!
- Protect the electrical contact surfaces of the battery from short circuiting!
- Only use the charger for charging and for charge retention of 6 V / 12 V lead batteries. Do not charge frozen batteries.

● Operation

● Before use

- Before connecting the charger, the operating instructions must be observed.
- Furthermore, the instructions of the vehicle manufacturer regarding a permanently connected vehicle battery must be observed. Secure the vehicle, switch off the ignition.
- Clean the battery poles. Take care that while doing so, your eyes do not come into contact with the dirt.
- Ensure sufficient ventilation.

● Connecting

- Connect the „+“ pole clamp (red) [14] of the charger to the „+“ pole of the battery.
- Connect the „-“ pole clamp (black) [15] to the „-“ pole of the battery.
- Connect the mains cable [13] of the charger to the mains socket.
- The battery voltage display [9] shows the current battery voltage.
- Should the connection of the clamps be swapped, the LED „reverse connection“ lights up [5].

● Disconnect

- Disconnect the appliance from the mains supply.
- Remove the „-“ pole clamp (black) [15] from the „-“ pole of the battery.

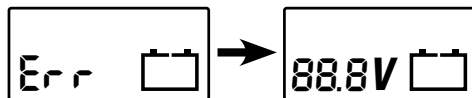
Operation

- Remove the „+“ pole clamp (red) [14] from the „+“ pole of the battery.

● Measuring STANDBY / Battery voltage

After connection to the grid, the appliance is on STANDBY. The standby display [6] lights up. When the clamps are connected, the battery voltage is shown in the LCD (voltage display [9]). The segments of the condition display [8] are empty.

If the voltage is below 3.8 V or above 15 V, the battery will not be charged. The display briefly shows the error message „Err“. The appliance goes on standby.



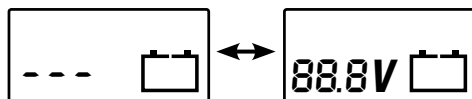
6 V battery

If the voltage range of the battery is measured as between 3.7–7.3 V, only programme 1 can be selected.

12 V batteries:

If a battery is recognised in the critical voltage range of between 7.3–10.5 V, the appliance checks whether a fully charged 6 V battery, or a discharged 12 V battery is present. After pressing the programme selection button [10] to select a programme, the appliance carries out a control measurement for about 90 sec.

The display shows:



If after about 90 sec. between 7.3–7.5 V are detected, the 12 V battery is defective.

The appliance goes on standby.

● Revitalising

If after about 90 sec. between 7.5–10.5 V are detected, a 12 V battery is present.

Charging starts with a pulse charge for revitalising. The voltage display [9] flashes. Once 10.5 V are reached, the appliance switches to the other charge steps.

Revitalising is the same for all the 12 V charge programmes.




● Programme selection

NOTES:

If a battery is detected in the voltage range of between 3.7–7.3 V, the programmes 2–3–4 can be selected.

The charging process takes place automatically. Depending on the selected programme, the characteristic charge curve is monitored for voltage, time and temperature. Included are the diagnostics programme, revitalising mode and retention charge.

(See principle representation programme 3 Fig. C)

Programme	max. (V)	max. (A)
1 6V	7.3 V	0.8 A
2  *	14.4 V	0.8 A
3  *	14.4 V	3.8 A
4  *	14.7 V	3.8 A

● Programme 1 „6 V“ (7.3 V / 0.8 A)


For charging 6 V batteries with a capacity of less than 14 Ah.

- Press the programme selection button [10], to select programme 1. The symbol „6 V“ is displayed on the LCD. During charging, the charge display [7] flashes and shows the progress of the charge procedure (1–4 bars). When the battery

is fully charged, the condition display **8** shows 4 bars. The flashing stops and the appliance automatically switches to retention charge.


● Programme 2 „12V“ (14.4V / 0.8 A)

For charging 12 V batteries with a capacity of less than 14 Ah.

- Press the programme selection button **10**, to select programme 2. The symbol  is displayed on the LCD. During charging, the charge display **7** flashes and shows the progress of the charge procedure (1 – 4 bars). When the battery is fully charged, the condition display **8** shows 4 bars. The flashing stops and the appliance automatically switches to retention charge.

● Programme 3 „12V“ (14.4V / 3.8 A)


For charging 12 V batteries with a capacity of between 14 Ah – 120 Ah.

- Press the programme selection button **10**, to select programme 3. The symbol  is displayed on the LCD. During charging, the charge display **7** flashes and shows the progress of the charge procedure (1 – 4 bars). When the battery is fully charged, the condition display **8** shows 4 bars. The flashing stops and the appliance automatically switches to retention charge.

● Programme 4 „12V“ (14.7V / 3.8 A)

For charging 12 V batteries with a capacity of between 14 Ah – 120 Ah under cold conditions or for charging AGM batteries.

- Press the programme selection button **10**, to select programme 4.

NOTE: This programme may start with a minute delay. The symbol  is displayed on the LCD. During charging, the charge display **7** flashes and shows the progress of the charge procedure (1 – 4 bars). When the battery is fully charged, the condition display **8** shows 4 bars. The flashing stops and the appliance automatically switches to retention charge.

● Retention charge

As described under programmes, this appliance features the automatic retention charge. Depending on the voltage drop of the battery, caused by self-discharge, the appliance reacts with different charge currents.

The battery can remain connected to the charger for longer periods of time.

● Appliance protection function

The charger switches the electronics off and switches the system instantly to the basic setting, as soon as there is an abnormal situation, such as short circuit, critical voltage drop during charging, broken circuit or swapped connection of the connector clamps is detected.

Should the appliance become too hot during charging, the output current is automatically reduced. This protects the appliance from damage.

● Maintenance and care

⚠ WARNING! Before you carry out any work on the battery charger always pull the mains plug out of the mains socket.

The appliance is maintenance-free.

- Do not under any circumstances use solvents or other aggressive cleaning agents.
- Clean the plastic surfaces of the device with a dry cloth.

● Service

- **⚠ WARNING!** Have your device repaired at the service centre or by qualified specialist personnel using original manufacturer parts only. This will ensure that your device remains safe to use.
- **⚠ WARNING!** Always have the manufacturer or his customer service exchange the mains cable or plug. This will maintain the safety of the device.

● Warranty

The warranty for this appliance is for 3 years from the date of purchase. The appliance has been manufactured with care and meticulously examined before delivery. Please retain your receipt as proof of purchase. In the event of a warranty claim, please make contact by telephone with our Service Department. Only in this way can a post-free despatch for your goods be assured.

The warranty covers only claims for material and manufacturing defects, but not for transport damage, for wearing parts or for damage to fragile components, e.g. buttons or batteries. This product is for private use only and is not intended for commercial use.

The warranty is void in the case of abusive and improper handling, use of force and internal tampering not carried out by our authorized service branch. Your statutory rights are not restricted in any way by this warranty.

The warranty period will not be extended by repairs made under warranty. This applies also to replaced and repaired parts. Any damage and defects extant on purchase must be reported immediately after unpacking the appliance, at the latest, two days after the purchase date. Repairs made after the expiration of the warranty period are subject to payment.

GB

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IAN 92517

● Disposal



The packaging is wholly composed of environmentally-friendly materials that can be disposed of at a local recycling centre.



Do not dispose of electrical appliances in household waste!

In accordance with European Directive 2002/96/EC on used electrical and electronic appliances and its implementation in national law, used power tools must be collected separately and recycled in an ecologically compatible manner. Please return the tool via the available collection facilities.

Information on options for disposing of electrical appliances after their useful life can be obtained from your local or city council.