



AL 1830 CV P4A Art. 14901

EN Operator's Manual
Battery Quick Charger

GARDENA Battery Quick Charger AL 1830 CV P4A

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Original instructions.



This charger is not intended for use by children or persons with physical, sensory or mental limitations or a lack of experience or knowledge. This charger can be used by children aged 8 or older and by persons who have physical,

sensory or mental limitations or a lack of experience or knowledge if a person responsible for their safety supervises them or has instructed them in the safe operation of the charger and they understand the associated dangers. Otherwise, there is a risk of operating errors and injuries.

Intended use:

The **POWER FOR ALL Battery Quick Charger 18V** is intended to charge relevant **POWER FOR ALL System Batteries** and is intended for use in private house and hobby gardens.

The product is not intended for long term use.

1. SAFETY



Read all the safety and general instructions.

Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

Store these instructions in a safe place. Only use the charger if you can fully evaluate all functions and carry them out without restrictions, or if you have received corresponding instructions.

- **Supervise children during use, cleaning and maintenance.**
This will ensure that children do not play with the charger.
- **Charge only lithium-ion batteries of the POWER FOR ALL system type PBA 18V with a capacity of 1.5 Ah or more (5 battery cells or more). The battery voltage must match the battery charging voltage of the charger. Do not charge any nonrechargeable batteries.**

Otherwise there is a risk of fire and explosion.



Do not expose the charger to rain or wet conditions.

Water entering a power tool will increase the risk of electric shock.

→ **Keep the charger clean.**

Dirt poses a risk of electric shock.

→ **Always check the charger, cable and plug before use. Stop using the charger if you discover any damage. Do not open the charger yourself, and have it repaired only by a qualified specialist using only original replacement parts.**

Damaged chargers, cables and plugs increase the risk of electric shock.

→ **Do not operate the charger on an easily ignited surface (e.g. paper, textiles, etc.) or in a flammable environment.**

There is a risk of fire due to the charger heating up during operation.

→ **Recharge only with the charger specified by the manufacturer.**

A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

→ **In case of damage and improper use of the battery, vapours may also be emitted.**

Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.

→ **Under abusive conditions, liquid may be ejected from the battery. Contact with this liquid should be avoided. If contact accidentally occurs, rinse off with water. If the liquid comes into contact with**

your eyes, seek additional medical attention. Liquid ejected from the battery may cause irritation or burns.

→ **Do not cover the ventilation slots of the charger.** Otherwise, the charger may overheat and no longer function properly.

→ In order to avoid safety hazards, if the power supply cord needs to be replaced, this must be done by GARDENA or by a customer service centre that is authorised to repair GARDENA power tools.

Products sold in GB only:

Your product is fitted with an BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362). If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

DANGER! Cardiac arrest! This product makes an electromagnetic field while it operates. This field may under some conditions interfere with active or passive medical implants. To decrease the risk of conditions that can possibly injure or kill, we recommend persons with medical implants to speak with their physician and the medical implant manufacturer before you operate the product.

DANGER! Risk of suffocation!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

2. OPERATION

To charge the battery [Fig. O1/O2]:



CAUTION!

→ **Note the mains voltage!** The voltage of the power source must match the voltage specified on the rating plate of the charger.

1. Connect the battery charger (C) into a mains socket.
2. Slide the battery (B) into the charging slot of the battery charger (C).

The battery is not included with the product as standard. You can find the complete selection of accessories in our accessories range.

Thanks to the intelligent charging process, the charge condition of the battery is automatically detected and then charged up with the optimal charge current depending on battery temperature and voltage.

In this way, the battery is treated with care and remains permanently fully charged when it is stored in the charger.

Meaning of the indication elements:

Indication on the charger:

(Fast) Flashing of the Green Battery Charge Indicator (Lc)



The rapid-charging procedure is indicated by **fast flashing** of the **green** battery charge indicator (Lc).

Note: The rapid-charging procedure is only possible when the battery temperature is within the allowable charging temperature range, see 6. TECHNICAL DATA.

(Slow) Flashing of the Green Battery Charge Indicator (Lc)



When the charging condition of the battery is 80 %, the **green** battery charge indicator (Lc) **flashes slowly**.

The battery can be removed for immediate use.

Continuous Lighting of the Green Battery Charge Indicator (Lc)



Continuous lighting of the **green** battery charge indicator (Lc) indicates that the battery is fully charged.

When the battery is not inserted, **continuous lighting** of the battery charge indicator (Lc) indicates that the mains plug is inserted in the socket outlet and that the battery charger is ready for operation.

Continuous Lighting of the Red Battery Error Indicator (Wc)



Continuous lighting of the **red** battery error indicator (Wc) indicates that the temperature of the battery is not within the allowable charging temperature range, see 6. TECHNICAL DATA.

As soon as the allowable charging temperature range is reached, the battery charger automatically switches to rapid charging.

Flashing Red Battery Charge Indicator (Wc)



A **flashing red battery error indicator** (Wc) indicates a different malfunction of the charging procedure, see 5. TROUBLESHOOTING.

Practical advice:

When the charger is used continuously, or for several consecutive charge cycles without interruption, the charger may heat up. This is, however, harmless and

does not indicate that the charger has a technical defect.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced.

3. MAINTENANCE

To clean the battery charger:

Make sure that the surface and the contacts of the battery and the battery charger always are clean and dry before you connect the battery charger.

Do not use running water.

→ Clean the contacts and the plastic parts with a soft and dry cloth.

4. STORAGE

To put into storage:

The product must be stored away from children.

1. Clean the battery charger (see 3. MAINTENANCE).
2. Store the battery charger in a dry, enclosed and frost-free place.

Disposal:

(in accordance with RL2012/19/EC)



The product must not be disposed of to normal household waste. It must be disposed of in line with local environmental regulations.

IMPORTANT!

→ Dispose of the product through or via your municipal recycling collection centre.

5. TROUBLESHOOTING

Problem	Possible Cause	Remedy
Charging is not possible. Green battery charge indicator (L) is continuously lit. Red battery error indicator (W) is flashing. [Fig. 02]	The battery is not connected (correctly).	→ Connect the battery to charger correctly.
	Battery contacts are dirty.	→ Clean the battery contacts (e.g. by connecting and disconnecting the battery several times. Replace the battery if necessary.

Problem	Possible Cause	Remedy
Charging is not possible. Green battery charge indicator (L_C) is continuously lit. Red battery error indicator (W_C) is flashing. [Fig. 02]	Battery temperature is outside the permissible charging temperature range.	→ Wait until the battery temperature is between 0 °C – + 45 °C again.
	Battery is defective.	→ Replace the battery.
Green battery charge indicator (L_C)/the red battery error indicator (W_C) is not illuminated [Fig. 02]	Mains plug of the charger is not (correctly) plugged in.	→ Insert the mains plug into the mains socket (completely).
	Socket outlet, mains cable or charger is defective.	→ Check the mains voltage. Let the charger be checked if necessary by an authorised specialist dealer or the GARDENA Service.

6. TECHNICAL DATA

<i>Battery Quick Charger AL 1830 CV P4A</i>	Unit	Value (Art. 14901-28 UK) (Art. 14901-52 AU/NZ)
Mains voltage	V (AC)	220 – 240
Mains frequency	Hz	50 – 60
Rated power	W	70
Battery charging voltage	V (DC)	18
Max. battery charging current	A	3.0
Battery charging time 80 % / 97 – 100 % (approx.)		
PBA 18V 2,0Ah W-B	min.	32 / 45
PBA 18V 2,5Ah W-B	min.	40 / 60
PBA 18V 4,0Ah W-C	min.	64 / 95
Permitted charging temperature range	°C	0 – 45
Weight according to EPTA-Procedure 01:2014	kg	0.40
Protection class		□ / II

Appropriate POWER FOR ALL system Batteries: PBA 18V.

7. ACCESSORIES

GARDENA System Battery

PBA 18V/36 P4A

PBA 18V/45 P4A

PBA 18V/72 P4A

Battery for additional duration or for replacement.

Art. 14902

Art. 14903

Art. 14905

8. SERVICE/WARRANTY

Service:

Please contact the address on the back page.

Warranty statement:

In the event of a warranty claim, no charge is levied to you for the services provided.

GARDENA Manufacturing GmbH grants a warranty for all original GARDENA new products for two years from the date of original purchase from the retailer, provided that the devices have been for private use only. This manufacturer's warranty does not apply to products acquired second hand. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product has been used for its intended purpose as per the recommendations in the operating instructions.
- Neither the purchaser nor a third party has attempted to open or repair the product.

- Only Original GARDENA replacement parts and wear parts have been used for operation.
- Presentation of the receipt.

Normal wear and tear of parts and components (such as blades, blade fixing parts, turbines, light bulbs, V-belts/toothed belts, impellers, air filters, spark plugs), visual changes, wear parts and consumables are excluded from the warranty.

This manufacturer's warranty is limited to replacement and repair of products in accordance with the abovementioned conditions. The manufacturer's warranty does not constitute an entitlement to lodge other claims against us as a manufacturer, such as for damages. This manufacturer's warranty does **not**, of course, affect statutory and contractual warranty claims against the dealer/retailer.

The manufacturer's warranty is governed by the law of the Federal Republic of Germany.

In case of a warranty claim, please return the faulty product, together with a copy of the receipt and a description of the fault, with postage paid to the service address.

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