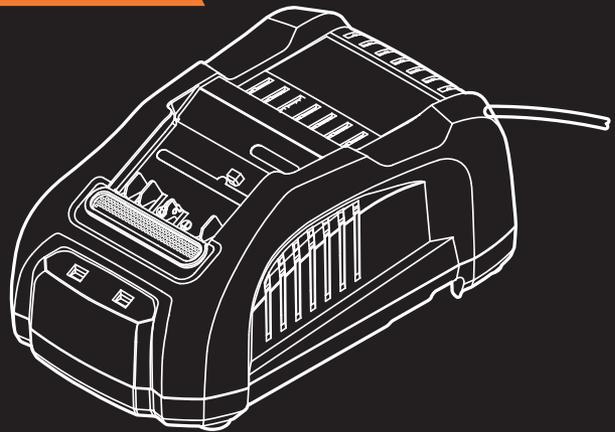
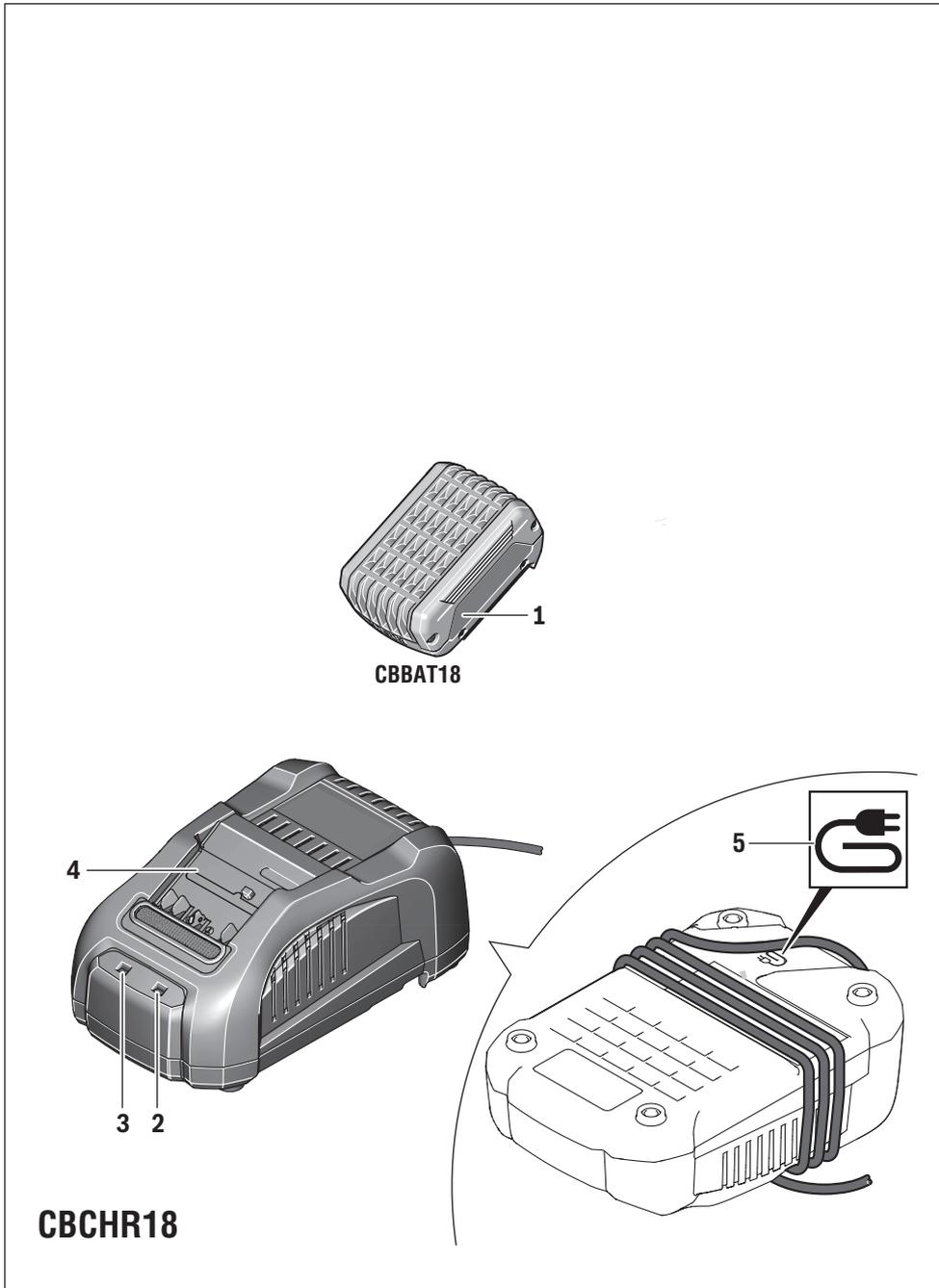


18V Battery Charger

Owners **Manual**



 **Ramset™**



Product Description and Specifications



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save these instructions.

Use the battery charger only when you fully understand and can perform all functions without limitation, or have received appropriate instructions.

Safety Notes

- ▶ **This charger is not intended for use by children and persons with physical, sensory or mental limitations or a lack of experience or knowledge. This charger can be used by children aged 8 and above 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 danger of operating errors and injuries.
- ▶ **Supervise children during use, cleaning and maintenance.** This will ensure that children do not play with the charger.
- ▶ **Only charge Ramset lithium-ion batteries with a capacity of 1.3 Ah or more (4 battery cells or more). The battery voltage must match the battery charging voltage of the charger. Do not charge non-re-**

chargeable batteries. Otherwise there is danger of fire and explosion.



Keep the battery charger away from rain or moisture. Penetration of water in the battery charger increases the risk of an electric shock.

- ▶ **Keep the battery charger clean.** Contamination can lead to danger of an electric shock.
- ▶ **Before each use, check the battery charger, cable and plug. If damage is detected, do not use the battery charger. Never open the battery charger yourself. Have repairs performed only by a qualified technician and only using original spare parts.** Damaged battery chargers, cables and plugs increase the risk of an electric shock.
- ▶ **Do not operate the battery charger on easily inflammable surfaces (e. g., paper, textiles, etc.) or surroundings.** The heating of the battery charger during the charging process can pose a fire hazard.
- ▶ **In case of damage and improper use of the battery, vapours may be emitted. Ventilate the area and seek medical help in case of complaints.** The vapours can irritate the respiratory system.
- ▶ **Do not cover the ventilation slots of the battery charger.** Otherwise, the battery charger can overheat and no longer operate properly.

Product Features

The numbering of the product features refers to the illustration of the battery charger on the graphics page.

- 1 Battery pack*
- 2 Green battery charge indicator
- 3 Red battery charge indicator
- 4 Charging compartment
- 5 Cable reel

*Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

Technical Data

Battery Charger		CBCHR18
Battery charging voltage (automatic voltage detection)	V _~	18
Charging current	A	8.0
Allowable charging temperature range	°C	0 – 45
Charging time for battery capacity, approx.		(80%) 100%
– 6.0 Ah	min	(35) 55
Number of battery cells		4 – 10
Weight according to EPTA-Procedure 01:2014	kg	0.66
Protection class		□ / II

Operation

Starting Operation

- **Observe the mains voltage!** The voltage of the power supply must correspond with the data given on the nameplate of the battery charger. Battery chargers marked with 230 V can also be operated with 220 V.

Charging Procedure

The charging procedure starts as soon as the mains plug of the battery charger is plugged into the socket outlet and the battery **1** is inserted into the charging compartment **4**.

Due to the intelligent charging method, the charging condition of the battery is automatically detected and the battery is charged with the optimum charging current, depending on battery temperature and voltage.

This gives longer life to the battery and always leaves it fully charged when kept in the charger for storage.

Meaning of the Indication Elements

Flashing Green Battery Charge Indicator 2



The rapid-charging procedure is signalled by a **flashing green** battery charge indicator **2**. The battery can be removed at any time and used.

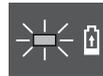
Note: The charging procedure is only possible when the battery temperature is within the allowable charging temperature range, see "Technical Data" section.



Once approx. 80 % of the battery capacity has been reached, the flashing of the green battery charge indicator slows down. The rapid-charging process is now completed. If the battery re-

mains in the charger, the charging process will be completed in the Long Life charging mode.

Continuous Lighting of the Green Battery Charge Indicator 2



Continuous lighting of the **green** battery charge indicator **2** indicates that the battery is fully charged.

Afterwards, the battery can be removed for immediate use.

When the battery is not inserted, **continuous lighting** of the battery charge indicator **2** indicates that the mains plug is inserted in the socket and that the battery charger is ready for operation.

Continuous Lighting of the Red Battery Charge Indicator 3



The **continuous light** of the **red** battery charge indicator **3** shows that the temperature of the battery is outside of the permitted charge-temperature range, see section "Technical Data".

The charging process begins as soon as the permitted temperature range has been reached.

Flashing Red Battery Charge Indicator 3



A **flashing red** battery charge indicator **3** indicates a different malfunction of the charging procedure, see section "Troubleshooting – Causes and Corrective Measures".

When the **red temperature control indicator 6** lights up when placing the battery into the charger, the temperature of the battery is not within the charge-temperature range (see section "Technical Data"). The battery cannot be charged until after the allowable operating temperature range has been reached.

Troubleshooting – Causes and Corrective Measures

Cause	Corrective Measure
Flashing red battery charge indicator 3	
No charging procedure possible	
Battery not (properly) inserted	Properly insert battery into battery charger
Battery contacts contaminated	Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery
Battery pack defective	Replace the battery
Battery charge indicators 2 or 3 do not light up	
Mains plug of battery charger not plugged in (properly)	Insert mains plug (fully) into the socket outlet
Socket outlet, mains cable or battery charger defective	Check the mains voltage; have the battery charger checked by an authorised after-sales service agent for Ramset power tools

Working Advice

With continuous or several repetitive charging cycles without interruption, the charger can warm up. This is not meaningful and does not indicate a technical defect of the battery charger.

A significantly reduced working period after charging indicates that the battery is used and must be replaced.

Battery Cooling (Active Air Cooling)

The fan control integrated into the charger monitors the temperature of the inserted battery. As soon as the battery temperature is above approx. 0 °C, the battery will be cooled by a fan. The fan generates a ventilation sound when switched on.

If the fan does not run, it is defective or the battery temperature is <0 °C. This can increase the charging time.

Maintenance and Service

Maintenance and Cleaning

If the replacement of the supply cord is necessary, this has to be done by **Ramset** in order to avoid a safety hazard.

After-sales Service and Application Service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts.

ramsetreid Postal:

Australia:

P.O. Box 192, Croydon,
Victoria 3136
1 Ramset Drive,
Chirnside Park, Victoria 3116

Customer Service Center Inside Australia:

Phone: 1300 780 063
Fax: 1300 780 064

New Zealand:

Inside New Zealand:
Phone: 0800 RAMSET (726738)
Fax: (0800) 428570

Outside AU and NZ:

Phone: +61 3 9726 6222
www.ramset.com.au

Disposal

Battery chargers, accessories and packaging should be sorted for environmental-friendly recycling.

Do not dispose of battery chargers into household waste!



Subject to change without notice.

Warranty

This Ramset™ tool is warranted to the original purchaser only to be free from defects in material and workmanship. Subject to certain exceptions Ramset™ will repair or replace any part of the tool which, after examination, is determined by Ramset™ to be defective in material or workmanship for a period of two (2) years* after the date of purchase.

Return the tool and a copy of proof of purchase to the Ramset™ National Service Centre, freight prepaid and insured, as requested for this warranty to be effective. This warranty does not apply to damage that Ramset™ determines to be from repairs made or attempted by anyone other than Ramset™ authorized personnel, misuse, alterations, abuse, normal wear and tear, lack of maintenance, or accidents.

*Statutory rights for goods and purchases as a customer.

Australia

In addition to other rights and remedies that may be available under law, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

New Zealand

This warranty is supplemental to any other rights and remedies you have under the Consumer Guarantees Act 1993 NZ, unless your purchase is made for commercial purposes, in which case Ramset™ excludes all consumer guarantees implied in the Consumer Guarantees Act 1993 NZ in respect of your product.

Acceptance of the exclusive repair and replacement remedies described herein is a condition of the contract for the purchase of every Ramset™ product. If you do not agree to this condition, you should not purchase the product. In no event shall Ramset™ be liable for any incidental, special, consequential or punitive damages, or for any costs, attorney fees, expenses, losses or delays alleged to be as a consequence of any damage to, failure of, or defect in any product including, but not limited to, any claims for loss of profits.

This warranty is exclusive and in lieu of all other warranties or conditions, written or oral, expressed or implied. Without limiting the generality of the foregoing, Ramset™ disclaims any implied warranty of merchantability or fitness for a particular use or purpose, and all other warranties.





customer service

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