

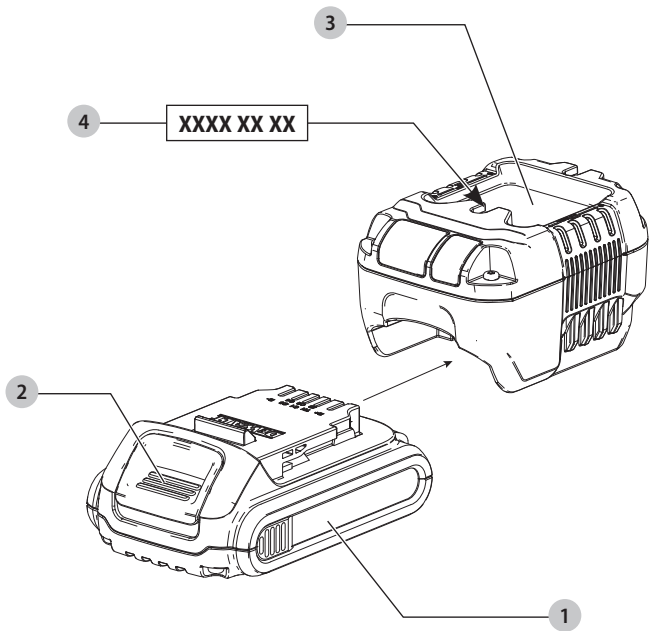
DEWALT®

XR®

WWW.DEWALT.COM

DCB1102

Fig.A



BATTERY CHARGER

DCB1102

Congratulations!

You have chosen a DEWALT charger. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

| | | DCB1102 |
|-------------------------------|----------|---------|
| Output | V_{DC} | 22 |
| Mains voltage | V_{AC} | 230 |
| Type | | 1 |
| Battery type | | Li-Ion |
| Charger current | | |
| Input | A | 0.9 |
| Output | A | 2 |
| Weight (without battery pack) | kg | 0.26 |



WARNING: To reduce the risk of injury, read the instruction manual.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.

| Batteries | | | | DCB1102 |
|-----------|-----------------|----------|-------------|---------------------------------|
| Cat # | V _{DC} | Ah | Weight (kg) | Chargers/Charge Times (Minutes) |
| DCB546 | 18/54 | 6.0/2.0 | 1.05 | 170 |
| DCB547 | 18/54 | 9.0/3.0 | 1.46 | 270 |
| DCB548 | 18/54 | 12.0/4.0 | 1.44 | 350 |
| DCB181 | 18 | 1.5 | 0.35 | 45 |
| DCB182 | 18 | 4.0 | 0.61 | 120 |
| DCB183/B | 18 | 2.0 | 0.40 | 60 |
| DCB184/B | 18 | 5.0 | 0.62 | 150 |
| DCB185 | 18 | 1.3 | 0.35 | 40 |
| DCB187 | 18 | 3.0 | 0.54 | 90 |
| DCB189 | 18 | 4.0 | 0.54 | 120 |
| DCBP034 | 18 | 1.7 | 0.31 | 50 |
| DCB122 | 12 | 2.0 | 0.22 | 60 |
| DCB124 | 12 | 3.0 | 0.25 | 90 |
| DCB125 | 12 | 1.3 | 0.20 | 40 |
| DCB127 | 12 | 2.0 | 0.20 | 60 |

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

Important Safety Instructions for All Battery Chargers

- Before using charger, read all instructions and cautionary markings on charger, battery pack, and product using battery pack.



WARNING: Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.



CAUTION: Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable batteries. Other types of batteries may burst causing personal injury and damage.

NOTICE: Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

- **Children are not allowed to use or play with this charger.** This charger can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Otherwise, there is a risk of injuries.
- **Children shall be supervised during use to ensure that they do not play with the appliance.**
- **To reduce the risk of injury, charge only DEWALT rechargeable batteries.** Other types of batteries may burst causing personal injury and damage.
- **These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.** DEWALT charger and battery packs are specifically designed to work together. Any other uses may result in risk of fire, electrical shock or electrocution.
- **Do not expose charger to rain or snow.**
- **Pull by plug rather than cord when disconnecting charger.** This will reduce risk of damage to electric plug and cord
- **Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock, or electrocution.
- **Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorised service centre.
- **Do not disassemble charger; take it to an authorised service centre when service or repair is required.** Incorrect reassembly may result in a risk of electrical shock, electrocution or fire.
- **Disconnect the charger from the outlet before attempting any cleaning.** This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- **NEVER attempt to connect 2 chargers together.**
- **Take care to ensure that the charger is standing in a steady, secure position.** A falling battery or charger may present a risk of injury to yourself and/or others.
- **The location in which the charger is used should be clean and dry.** Use of a charger in a dirty or wet area could result in risk of fire, electric shock, or electrocution.

Electrical Safety

The charger has been designed for one voltage only. Make sure that the voltage of your charger corresponds to that of your mains.



Your DEWALT charger is double insulated in accordance with EN60335; therefore, no earth wire is required.

If the supply cord is damaged, it must be replaced only by DEWALT or an authorised service organisation.

Package Contents

The package contains:

- 1 Battery charger
- 1 Instruction manual

NOTE: Battery packs, chargers and kitboxes are not included with N models.

- *Check for damage to the tool, parts or accessories which may have occurred during transport.*
- *Take the time to thoroughly read and understand this manual prior to operation.*

Markings on Battery Charger

The following pictograms are shown on the tool:



Read instruction manual before use.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately.



Charge only between 4 °C and 40 °C.



Only for indoor use.



Risk of electric shock.

NOTE: The nameplate is fixed on the power supply cord and shall not be removed.

Date Code Position (Fig. A)

The production date code ④ consists of a 4-digit year followed by a 2-digit week and is extended by a 2-digit factory code.

Description (Fig. A)



WARNING: Never modify the charger or any part of it. Damage or personal injury could result.

- 1 Battery
- 2 Battery release button
- 3 Charger

Intended Use

The DCB1102 charger is designed for charging 12V and 18V DEWALT Li-Ion XR and XR FLEXVOLT battery packs: DCB122, DCB124, DCB124G, DCB125, DCB126G, DCB127, DCB181, DCB182, DCB183, DCB183B, DCB183G, DCB184, DCB184B, DCB184G, DCB185, DCB187, DCB189, DCBP034, DCB546, DCB547, DCB547G, DCB548, DCB549.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

These battery chargers and battery packs are professional power tools.

Charging a Battery



WARNING: Only charge batteries in air temperature over 4 °C and below 40 °C.













NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Connect the charger and battery pack, making sure the battery is fully seated. The (stage 1 charging) light will blink continuously indicating that the charging process has started.
3. The Stage 1 Charging blink indicator represents the first charge cycle that charges the majority of the battery's capacity. Stage 2 Charging blink indicator represents the remainder, or top off charge process, for the battery to reach full capacity.
4. The completion of charge for Stage 1 or Stage 2 will be indicated by the Stage's light remaining ON continuously. The battery pack is fully charged when both Stage 1 and

Stage 2 charging lights remain ON continuously, and it may be removed and used at this time or left in the charger.

NOTE: To remove the battery pack, some chargers require the battery pack release button **2** to be pressed.

Indicators

| | | | |
|--|----------------------|---|---|
|  | Stage 1 Charging |  |  |
|  | Stage 2 Charging |  |  |
|  | Fully Charged |  |  |
|  | Hot/Cold Pack Delay* |  |  |

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack will charge at a slower rate than a warm battery pack.

*The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Electronic Protection System

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery pack on the charger until it is fully charged.

Mounting

These chargers are designed to sit upright on a battery or to be mounted to a wall. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner

or other obstructions which may impede air flow. Use the arrows on the cord tag as a template for the vertical positioning of the mounting screws. Mount the charger securely using drywall screws (purchased separately) at least 25.4 mm long with a screw head diameter of 7–9 mm, screwed into wood to an optimal depth leaving approximately 3.5 mm of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

NOTE: Only wall mount DCB1102 charger with the charging lights pointed upward toward the ceiling.

NOTE: Do not attempt to mount DCB1102 under or on top of a bench or table.

MAINTENANCE

Your battery charger has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



WARNING: To reduce the risk of serious personal injury, disconnect the charger from mains and disconnect battery pack before performing maintenance.

The charger and battery pack are not serviceable.

Charger Cleaning Instructions



WARNING: Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions. Never let any liquid get inside the charger; never immerse any part of the charger into a liquid.

Optional Accessories



WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT-recommended accessories should be used with this product.

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled, reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpU.com.

Rechargeable Battery Pack

This long-life battery pack must be recharged when it fails to produce sufficient power on jobs that were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

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