

Flexpower 20V - 2.0 Ah

Flexpower 20V - 4.0 Ah

EN

INSTRUCTIONS
SPARE BATTERY

 **TROTEC**

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Information on the use of these instructions

Symbols



WARNING

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.



Follow the manual

Information marked with this symbol indicates that the instructions must be observed.

Notice

This signal word indicates important information (e.g. material damage), but does not indicate hazards.

You can download the current version of these instructions via the following link:



Spare battery 20V
2.0Ah



<https://hub.trotec.com/?id=47582>



Spare battery 20V
4.0Ah



<https://hub.trotec.com/?id=47583>

Safety



WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this battery.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

Safety instructions for the battery

- **Recharge only with charger specified by the manufacturer.** A charger that is suitable for one type of battery may create a risk of fire when used with another battery.
- **Only use the batteries intended for use in the battery-powered devices.** Use of any other batteries may create a risk of injury and fire.
- **When battery is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- **Follow all charging instructions and do not charge the battery outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- **Never service damaged batteries.** Battery service should only be performed by the manufacturer or authorized service providers.
- **Do not attempt to open the battery.** Doing so may cause the battery to short circuit, resulting in fire, explosion or risk of injury.
- **Store batteries out of the reach of children.**

- **Do not expose the battery to mechanical shocks or sharp objects such as screws, nails or screwdrivers.** Doing so may damage the battery, resulting in fire, explosion or risk of injury.

Intended use

Only use the "Flexpower 20V - 2.0 Ah" or "Flexpower 20V - 4.0 Ah" battery in battery-powered devices that are compatible with this battery type. Please refer to the technical data for the battery-powered device.

Only charge the Li-ion battery "Flexpower 20V - 2.0 Ah" (5 battery cells) with the "Multiflex 20 - 2.0 AC" charger.

Only charge the Li-ion battery "Flexpower 20V - 4.0 Ah" (10 battery cells) with the "Multiflex 20 - 4.0 AC" charger.

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

The battery is not suitable for:

- use in third party battery-powered devices
- use in battery-powered devices that require a different voltage supply than that specified in the technical data.
- charging in chargers other than the "Multiflex 20 - 2.0 AC" or "Multiflex 20 - 4.0 AC" quick charger.

Personnel qualification

People who use this battery must:

- have read and understood the instructions, especially the Safety chapter

Safety signs and labels on the battery

Notice

Do not remove the label with the safety symbols from the battery. Keep all safety signs on the label in legible condition.

The following safety signs are attached to the battery:



Warning of explosion risk!

These symbols indicate the following:

Do not expose the battery to fire or excessive temperature! Do not let the battery come into contact with water or fire! Avoid direct sunlight and moisture. There is a risk of explosion!



Never charge the battery at ambient temperatures below 10 °C or above 40 °C. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.



Observe the correct disposal of the battery!

This symbol indicates the following:

Ensure that the battery is disposed of correctly and never dispose of it in waste water or public waters. The battery contains irritating, caustic and toxic substances that pose significant risks to people and the environment.

Residual risks



WARNING

The battery may pose a hazard if it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



WARNING

The battery is not a toy and does not belong in the hands of children.



WARNING

Risk of suffocation!

Do not leave the packaging lying around. Children may use it as a dangerous toy.



Caution

Keep a sufficient distance from heat sources.

Notice

If you store or transport the battery improperly, the battery may be damaged. Note the information regarding transport and storage of the battery.

Product overview

Product description

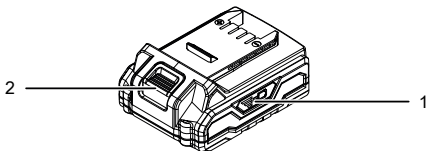
The battery can be used as a practical addition or replacement for the existing battery of the same type.

The battery comes with its own battery level indication, which allows you to check the current charging status without having to connect it to the device.

Notice

The following instructions apply to the "Flexpower 20V - 2.0 Ah" and "Flexpower 20V - 4.0 Ah" batteries. The illustrations show the "Flexpower 20V - 2.0 Ah" battery by way of example.

Product depiction





No.	Designation
1	Battery level indication
2	Release button

Scope of delivery

- 1 x Battery
- 1 x Manual

Technical data

Parameter	Value	
Battery	Flexpower 20V - 2.0 Ah	Flexpower 20V - 4.0 Ah
Type	Li-ion 	
Nominal voltage	20 V 	
Nominal capacity	2.0 Ah	4.0 Ah
Rechargeable cells	5 cells	10 cells
Capacity	40 Wh	80 Wh
Charging time	1 h	1.5 h
Max. charging temperature	-10 °C / +40 °C	
Max. ambient temperature	-10 °C / +45 °C	
Suitable charger	Multiflex 20 - 2.0 AC	Multiflex 20 - 4.0 AC

Transport and storage

Notice

If you store or transport the battery improperly, the battery may be damaged.

Note the information regarding transport and storage of the battery.

Transport

Before transporting the device, observe the following:

The supplied Li-ion batteries are subjects to the requirements of dangerous goods legislation.

Observe the following when transporting or shipping Li-ion batteries:

- The user may transport the batteries by road without any additional requirements.
- If transport is carried out by third parties (e.g. air transport or forwarding company), special requirements as to packaging and labelling must be observed. This includes consulting a dangerous goods specialist when preparing the package.
 - Only ship batteries if their housing is undamaged.
 - Mask open terminals with tape and pack the battery in a way that it cannot move inside the packaging.
 - Please also observe any other national regulations.

Storage

Before storing the device, observe the following:

- Remove the battery from the device.
- Do not store Li-ion batteries which are completely discharged. Storing discharged batteries can lead to a deep discharge and thus damage the battery.

When the battery is not being used, observe the following storage conditions:

- dry and protected from frost and heat
 - ambient temperature below 45 °C
- protected from dust and direct sunlight

Start-up

Charging the battery



WARNING

Use with "Multiflex 20 - 2.0 AC" or "Multiflex 20 - 4.0 AC" charger only.

Notice

The battery can be damaged in case of improper charging.

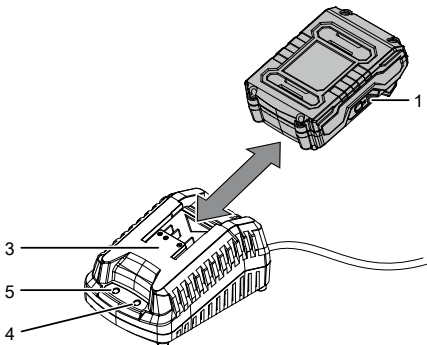
Remove the charger's mains plug before inserting or removing the battery.

Never charge the battery at ambient temperatures below 10 °C or above 40 °C.

The battery is partially charged upon delivery to avoid damage to the battery caused by a deep discharge.

Prior to initial start-up and when the battery is low (only the red LED of the battery level indication (1) is illuminated), the battery should be charged. To do so, please proceed as follows:

1. Slide the battery onto the quick charger (3) as depicted until the battery locks in place.



2. Insert the mains plug of the charger (3) into a properly fused mains socket.

- ⇒ The red battery LED (4) lights up.
- ⇒ The charging time is approx. one hour (Flexpower 20V - 2.0 Ah) or approx. one and a half hours (Flexpower 20V - 4.0 Ah).

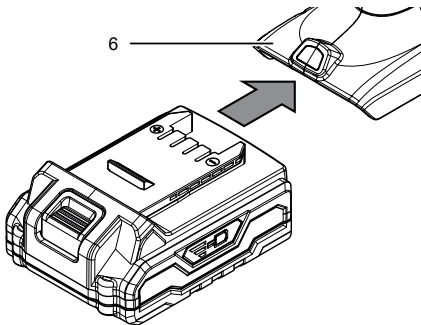
3. Wait until the red battery LED (4) goes off and the green battery LED (5) lights up.

- ⇒ The battery is fully charged.

4. Hold onto the mains plug while pulling the power cable of the quick charger (3) out of the mains socket.
⇒ The battery and the quick charger (3) may have become warm during charging. Allow the battery to cool down to room temperature.
5. Take the battery out of the quick charger (3) by pressing and holding the release button (2) and pulling the battery off the quick charger (3).

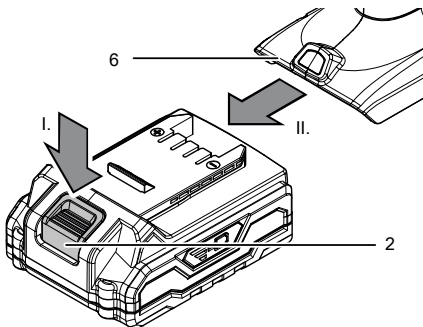
Inserting the battery

1. Slide the battery into the battery holder of the power tool (6) until it locks in place.



Removing the battery

1. Detach the battery from the device by pressing and holding the unlocking button (2, I.) and pulling the battery off the device (II.).



2. If required, charge the battery as described in the section *Charging the battery*.

Checking the battery charging status

The battery comes with an integrated battery level indication. The battery status is displayed as follows by the three LEDs of the battery level indication (1):

LED colour	Meaning
Green – Orange – Red	maximum charge / power
Orange – Red	medium charge / power
Red	weak charge – Recharge the battery.

1. Press on the battery icon (7) on the battery.
⇒ You can read the battery status from the battery level indication (1).



Errors and faults

The battery has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check for possible sources of error according to the following list.

Troubleshooting tasks which require the housing to be opened must only be carried out by an authorized specialist electrical company or by the manufacturer.

The battery does not charge:

- Slide the battery into the quick charger in a way that the battery terminals engage in the quick charger. The battery must lock in place in the quick charger.
- Check the quick charger for damage. If the quick charger is damaged, stop using it. Contact the Trotec customer service.
- Check the power cable and mains plug of the quick charger for damage.
- Check the on-site fusing.
- Check the battery terminals for dirt. Remove any dirt.
- The battery might be defective and have to be replaced. Only use batteries of the same type.

The device does not start:

- The battery power might be too low. Recharge the battery.
- Check whether the battery is correctly connected to the device. Slide the battery onto the device in a way that the battery terminals engage. The battery must lock in place in the device.
- Check the battery terminals for dirt. Remove any dirt.

Maintenance

Check the safety signs attached to the battery at regular intervals. Replace illegible safety signs! Apart from that, the battery is maintenance-free.

Cleaning

- Make sure that no moisture enters the battery housing. Do not use water or cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners.
- Dust the battery with a dry, soft and lint-free cloth.
- Keep the connecting terminals on the battery clean. Use a brush to remove dust from the contacts.

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



Li-Ion The icon with the crossed-out wheeled bin indicates that batteries and accumulators must not be disposed of with household waste at the end of their life, but must be disposed of professionally in accordance with REGULATION (EU) 2023/1542 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 July 2023 concerning batteries and waste batteries. Please dispose of batteries and accumulators according to the relevant legal requirements. Distributors and collection points in your area are obliged to take back these items free of charge.

The separate collection of batteries and waste batteries aims to enable the re-use, recycling and other forms of recovery of batteries and accumulators as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Only for United Kingdom

According to the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), batteries and accumulators that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

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