Nothing but **HEAVY DUTY.®**

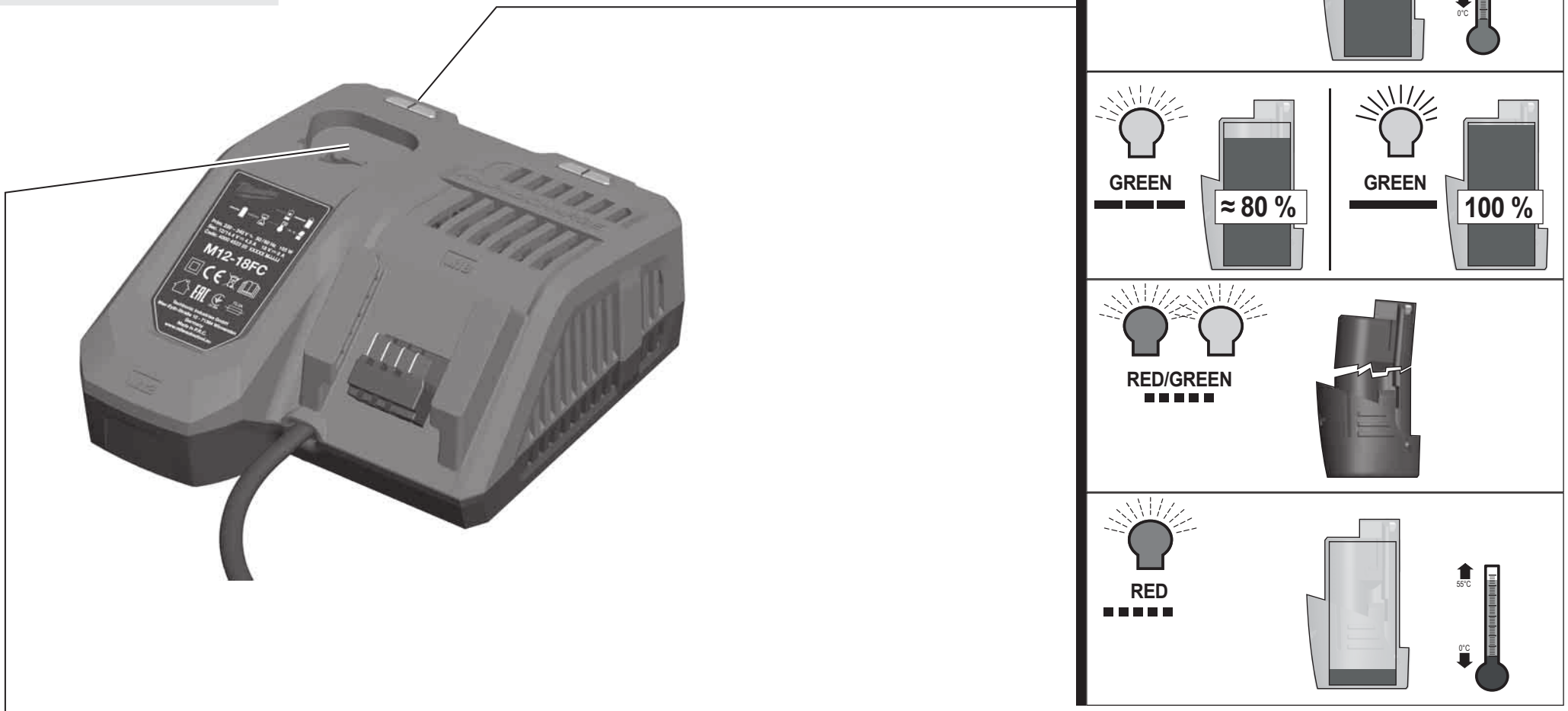


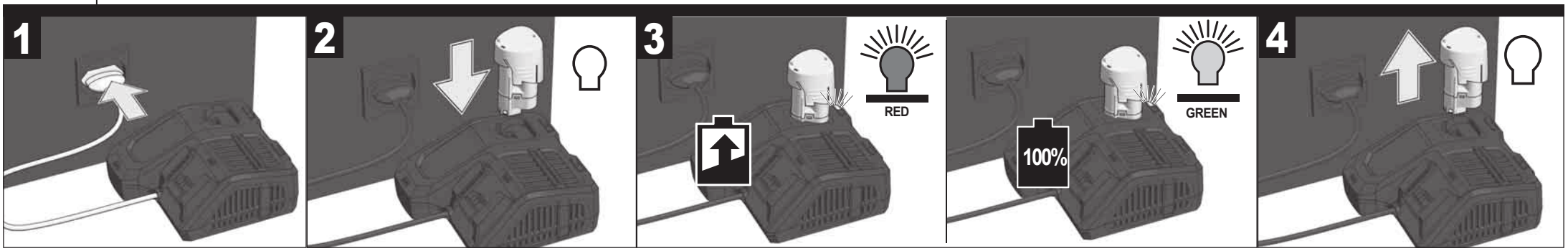
M12-18 FC

Original instructions

12 V

6 Text section with Technical Data, important Safety and Working Hints and description of Symbols





14,4 V, 18 V

6 Text section with Technical Data, important Safety and Working Hints and description of Symbols





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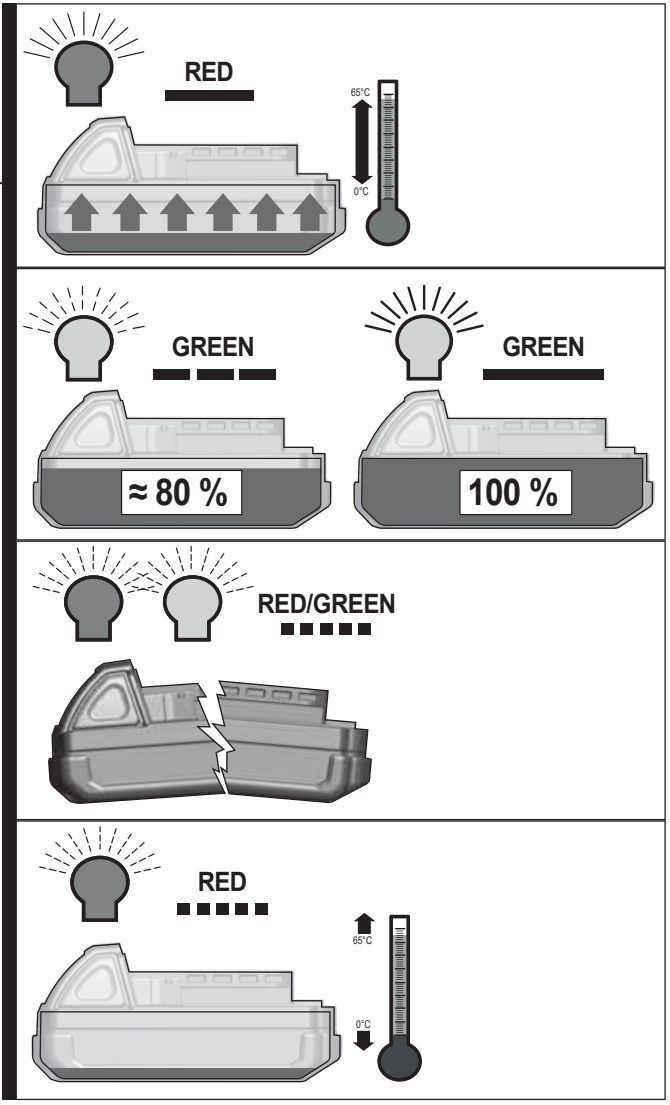


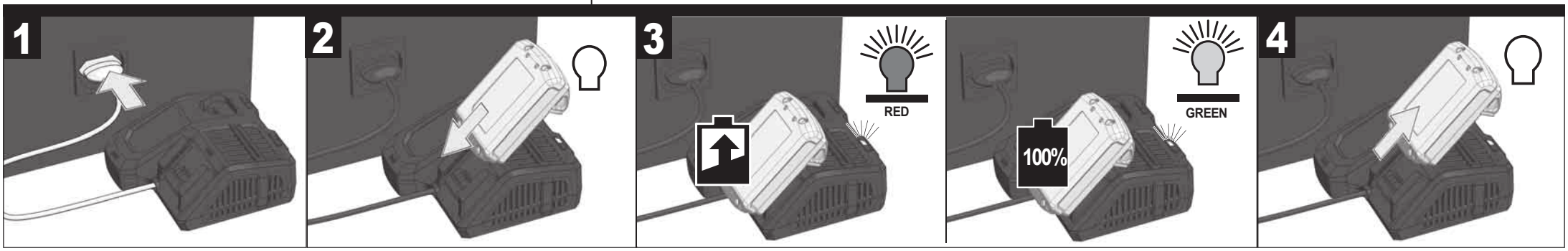
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TECHNICAL DATA BATTERY CHARGER M12-18 FC

Voltage range	12 V, 14,4 V, 18 V
Quick charge current	6 A
Weight according EPTA-Procedure 01/2014	703 g
Recommended ambient charging temperature	+5...+40 °C

WARNING! 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 all warnings and instructions for future reference.

SAFETY INSTRUCTIONS

Do not dispose of used battery packs in the household refuse or by burning them. Milwaukee Distributors offer to retrieve old batteries to protect our environment.

Only the following battery packs can be charged with this charger:

Battery Cat. No.	Cell Type	DC Volts	Capacity	Cell No.
M12B	Li-Ion	12 V	≤ 1.5 Ah	3
M12BX	Li-Ion	12 V	≤ 3.0 Ah	2 x 3
M12B2	Li-Ion	12 V	≤ 2.0 Ah	3
M12B3	Li-Ion	12 V	≤ 3.0 Ah	3
M12B4	Li-Ion	12 V	≤ 4.0 Ah	2 x 3
M12B6	Li-Ion	12 V	≤ 6.0 Ah	2 x 3
M14B	Li-Ion	14.4 V	≤ 1.5 Ah	4
M14BX	Li-Ion	14.4 V	≤ 3.0 Ah	2 x 4
M14B4	Li-Ion	14.4 V	≤ 4.0 Ah	2 x 4
M18B	Li-Ion	18 V	≤ 1.5 Ah	5
M18BX	Li-Ion	18 V	≤ 3.0 Ah	2 x 5
M18B2	Li-Ion	18 V	≤ 2.0 Ah	5
M18B4	Li-Ion	18 V	≤ 4.0 Ah	2 x 5
M18B5	Li-Ion	18 V	≤ 5.0 Ah	2 x 5
M18B6	Li-Ion	18 V	≤ 6.0 Ah	2 x 5
M18B9	Li-Ion	18 V	≤ 9.0 Ah	3 x 5
M18HB3	Li-Ion	18 V	≤ 3.0 Ah	5
M18HB4	Li-Ion	18 V	≤ 4.0 Ah	5
M18HB5.5	Li-Ion	18 V	≤ 5.5 Ah	2 x 5
M18HB8	Li-Ion	18 V	≤ 8.0 Ah	2 x 5
M18HB12	Li-Ion	18 V	≤ 12.0 Ah	3 x 5

Do not try to charge non-rechargeable batteries with this charger.

Do not store the battery pack together with metal objects (short circuit risk).

No metal parts must be allowed to enter the battery section of the charger (short circuit risk).

Never break open battery packs or chargers and store only in dry rooms. Keep dry at all times.

The battery clamps of the charger are fed by the mains supply. Do not touch the tool with conducting objects.

Never charge a damaged battery pack. Replace by a new one.

Before use check machine, cable, and plug for any damages or material fatigue. Repairs should only be carried out by authorised Service Agents.

This appliance is not intended to be used or cleaned by persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given instructions concerning the safe use of the appliance by a person legally responsible for their safety. They should be supervised whilst using the appliance.

Children shall not use, clean or play with this appliance, which when not in use should be secured out of their reach.

Warning! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

SPECIFIED CONDITIONS OF USE

This charger charges 12V, 14.4V and18V Milwaukee Li-Ion battery packs.

Do not use this product in any other way as stated for normal use.

MAINS CONNECTION

Connect only to single-phase AC current and only to the system voltage indicated on the rating plate. It is also possible to connect to sockets without an earthing contact as the design conforms to safety class II.

CHARGING TIME

Battery Cat. No.	Volts	Capacity	Charging Time approx.
M12B	12 V	≤ 1.5 Ah	20 min
M12B2	12 V	≤ 2.0 Ah	20 min
M12B3	12 V	≤ 3.0 Ah	50 min
M12BX	12 V	≤ 3.0 Ah	52 min
M12B4	12 V	≤ 4.0 Ah	52 min
M12B6	12 V	≤ 6.0 Ah	95 min
M14B	14.4 V	≤ 1.5 Ah	20 min
M14BX	14.4 V	≤ 3.0 Ah	52 min
M14B4	14.4 V	≤ 4.0 Ah	52 min
M18B	18 V	≤ 1.5 Ah	20 min
M18B2	18 V	≤ 2.0 Ah	20 min
M18BX	18 V	≤ 3.0 Ah	52 min
M18B4	18 V	≤ 4.0 Ah	52 min
M18B5	18 V	≤ 5.0 Ah	59 min
M18B6	18 V	≤ 6.0 Ah	90 min
M18B9	18 V	≤ 9.0 Ah	90 min
M18HB3	18 V	≤ 3.0 Ah	36 min
M18HB4	18 V	≤ 4.0 Ah	45 min
M18HB5.5	18 V	≤ 5.5 Ah	67 min
M18HB8	18 V	≤ 8.0 Ah	81 min
M18HB12	18 V	≤ 12.0 Ah	130 min

LI-ION BATTERIES

The rechargeable batteries are partially charged. The LED on the battery indicates the state of charge.

If it is not used for long periods, the rechargeable battery will switch to the non-operative state.

When fully discharged the rechargeable battery switches off automatically (depth discharge not possible).

Under extreme circumstances, the internal temperature of the battery could become to high. If this happens, the battery will shut down.

Place the battery on the charger to charge and reset it.

The state of charge can be read by pressing the button on the rechargeable battery. The battery can be left in the electric tool while the reading is taken but it must be switched off at least one minute beforehand (otherwise the display will be inaccurate). The number of LEDs illuminated indicates the state of charge. A flashing LED indicates a max. power reserve of 10%.

As a general principle, if the electric tool should fail to work after inserting the rechargeable battery, then the battery should be plugged into the charger. The displays on the battery and charger will then provide information about the condition of the battery.

In low temperatures work may continue at reduced output.

CHARACTERISTICS

After inserting the battery into the reception of the charger the battery will automatically be charged (red control lamp is illuminated continuously)

When a hot or cold battery pack is inserted into the charger (flashing red lamp), charging will begin automatically once the battery reaches the correct charging temperature (0°C...65°C). The max. charging current is flowing when the temperature of the Li-Ion-battery is between 0°C and 65°C.

The battery's charging time is between 1 min and 20 min (at 1,5 Ah), depending on the state of discharge.

Once the battery is fully charged, the LED on the charger changes from red to green.

Remove the battery pack from the tool for charging when convenient for you and your job. Milwaukee batteries do not develop a memory when charged after only a partial discharge. It is not necessary to run down the battery pack before placing it on the charger.

As a general practice, it is best to unplug battery chargers and remove batteries when not in use. No battery pack damage will occur, however, if the charger and battery pack are left plugged in.

If both LEDs flash alternately then the rechargeable battery is either not fully pushed in or there is a fault with the battery or charger. Take the charger and battery out of use immediately for safety reasons and have them inspected by a Milwaukee customer service centre.

Both 12V and 14.4/18V battery packs can be inserted into the charger at the same time, but they will be charged one after the other. The first battery pack to be inserted will be the first one to be charged. The red LED for the second battery pack will flash slowly to indicate that the charging process has not begun yet.

LIGHT INDICATORS

	Continuous red	Charging
	Slow flashing green	Approaching full charge
	Continuous green	Charging is complete
	Fast flashing red	Battery is too hot/cold - Charging will begin when battery reaches correct charging temperature
	Slow flashing red	Battery charge is pending - Charging will begin when the first pack is fully charged
	Flashing red/green	Damaged or faulty battery pack

TRANSPORTING LITHIUM BATTERIES

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.

Transportation of those batteries has to be done in accordance with local, national and international provisions and regulations.

- The user can transport the batteries by road without further requirements.
- Commercial transport of Lithium-Ion batteries by third parties is subject to Dangerous Goods regulations. Transport preparation and transport are exclusively to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.

When transporting batteries:

- Ensure that battery contact terminals are protected and insulated to prevent short circuit.
- Ensure that battery pack is secured against movement within packaging.
- Do not transport batteries that are cracked or leak.

Check with forwarding company for further advice

MAINTENANCE

If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required

Use only Milwaukee accessories and Milwaukee spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/ service addresses).

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at: Techtronic Industries GmbH, Max-Eyth-Straße 10, 71364 Winnenden, Germany.

SYMBOLS

	Please read the instructions carefully before starting the machine.
	Do not burn used battery packs.
	Never charge a damaged battery pack. Replace with a new one.
	Do not dispose electric tools, batteries/rechargeable batteries together with household waste material. Electric tools and batteries that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.
	This tool is only suitable for indoor use. Never expose tool to rain.
	Time-lag fuse 5 A
	Double isolated
	European Conformity Mark
	British Confomity Mark
	Ukraine Conformity Mark
	EurAsian Conformity Mark

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