

Truma Cooler BatteryPack

EN Operating instructions

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1 About these instructions

These instructions are part of the product.

- ▶ Also make the safety instructions available to other users.
- ▶ Always keep these instructions together with the Truma Cooler BatteryPack.
- ▶ Always pass these instructions on together with the Truma Cooler BatteryPack.
- ▶ Read these instructions thoroughly before using the product for the first time.

1.1 Validity

These instructions are for the Truma Cooler BatteryPack, referred to as BatteryPack below, and the BatteryPack FY0681683000 charger, referred to as charger below. The BatteryPack is a portable Li-NMC (Lithium-Nickel-Manganese-Cobalt) type Li-ion (lithium-ion) battery.

1.2 Target group

These instructions are intended for users of the product.

- ① To make the text easier to read, no gender-specific distinction is made. Gender equality is intended in the way terms are used.

1.3 Symbols and means of representation

Symbol	Meaning
	Warning about dangers to persons
	Additional information to provide a better understanding or to optimise work processes.
	Symbol for an action. Something must be done here.
*	Optional parts
(Fig. 3-1)	Reference to a picture e.g. Figure 3 - number 1

1.4 Abbreviations and glossary

Word	Meaning
LED	Light Emitting Diode
AC	Alternating Current
DC	Direct Current

1.5 Warnings

These instructions contain warnings about potential injuries and/or material damage.

- Always read and observe warnings.

Warning word	Meaning
DANGER	Danger for persons. If these instructions are ignored, it will result in death or serious injury.
WARNING	Danger for persons. If these instructions are ignored, it may result in death or serious injury.
CAUTION	Danger for persons. If these instructions are ignored, it may result in minor injury
NOTICE	Information to prevent material damage.

2 Intended use

2.1 Proper use

The BatteryPack is attached by a magnet to a Truma Cooler compressor cooler and supplies this with the required power independently of a mains power supply or power from a vehicle.

2.2 Improper use

All other uses not listed under proper use are improper and therefore prohibited.
The BatteryPack may be used only on a Truma Cooler.
The charger of the BatteryPack may be used only to charge a BatteryPack.
The BatteryPack may not be used as a starter battery for a vehicle.
Several BatteryPacks may not be connected in parallel.
A faulty BatteryPack and faulty accessories must not be used.

2.3 Liability

In the following cases, Truma accepts no liability for injury or material damage:

- Use other than for the intended purpose
- Ignoring safety instructions
- Ignoring the instructions for charging (**5.1 Charging**)

3 Safety instructions

- ▶ Read and closely observe safety instructions to prevent danger, injuries and damage to property.
- ▶ Read and observe the operating instructions for the product carefully, and keep them in a safe place for subsequent use.
- ▶ Observe local laws, guidelines and standards associated with the use and operation of the appliance.
- ▶ Make sure that the appliance can be operated properly in all operating phases.
- ▶ Keep the BatteryPack out of reach of children.



WARNING

Danger to life due to the effects of magnets on pacemakers and implanted defibrillators

- ▶ If you have these devices implanted, stay at least 15 cm away from the magnet.
- ▶ Notify people who have these devices implanted about the dangers and warn them about approaching the magnets.

**WARNING****Risk of fire and/or explosion**

- ▶ Charge the BatteryPack only at temperatures between 16 °C and 40 °C.
- ▶ Do not expose the BatteryPack to temperatures above 70 °C or to fire.
- ▶ Do not store, use or charge the BatteryPack near flammable liquids or vapours.
- ▶ Charge the BatteryPack only with the supplied charger.
- ▶ Do not plug the charger into a direct current socket.
- ▶ Switch the BatteryPack off when it is not being used.
- ▶ Charge the BatteryPack to at least 50% capacity if it is being stored for longer than one month.
- ▶ Charge the BatteryPack only in a well ventilated place with regular temperature exchange.

In case of fire:

- ▶ Allow the BatteryPack to burn completely if this does not put persons or objects at risk.
- ▶ Do not breathe in the toxic fumes.
- ▶ If controlled burning is not possible, cool the BatteryPack with plenty of water.
- ▶ If possible, extinguish with F-500 EA extinguishing agent. Other extinguishing agents are not suitable.

**CAUTION****Electric shock, risk of burning or injury**

- ▶ When transporting the BatteryPack, make sure that the contacts do not touch metal objects.
- ▶ Do not insert any metal objects into the connections of the BatteryPack.
- ▶ If you are not using the BatteryPack, cover the connection for the Truma Cooler (Fig. 2-1) with the blanking plug (Fig. 1-2).
- ▶ Do not use the BatteryPack if you dropped it.
- ▶ Do not apply force to the BatteryPack.
- ▶ Do not use the BatteryPack if there are cracks on the housing or if it is damaged or broken in any other way. Contact Truma Service.

- ▶ If lightning strikes the building power supply during charging, stop using the BatteryPack.
- ▶ Dry the BatteryPack if it is moist or has been sprayed with liquid.
- ▶ Do not use the BatteryPack if it has been immersed in liquid or if liquid has entered the BatteryPack. Store the BatteryPack at least 1 m away from flammable objects and contact Truma Service.
- ▶ Before cleaning the BatteryPack, disconnect it from the power supply.
- ▶ Do not open the BatteryPack or attempt to replace the installed components, such as the battery cells.
- ▶ Do not reverse the poles. Do not short-circuit the appliance.
- ▶ Do not cut, connect or extend the cable.
- ▶ Do not use the BatteryPack if the cables are damaged in any way whatsoever. Replace damaged cable with original spare parts without delay.
- ▶ Store the charger only indoors where it is protected from the effects of weather.
- ▶ Do not carry the charger by the cable.
- ▶ Do not use the charger if the cables or housing are faulty. Replace only with original spare parts.

- ▶ Charge only the BatteryPack with the supplied charger.



CAUTION

Crushing hazard from magnets

Careless handling can lead to crushing of fingers or skin.

- ▶ Do not place your fingers or other parts of your body between the magnets of the BatteryPack and a metal object.



NOTICE

Damage to objects by the magnetic field

- ▶ Keep the BatteryPack at least 30 cm away from all devices and objects that could be damaged by strong magnetic fields (e.g. magnetic cards or mechanical watches).

4 Product description

4.1 Content of package

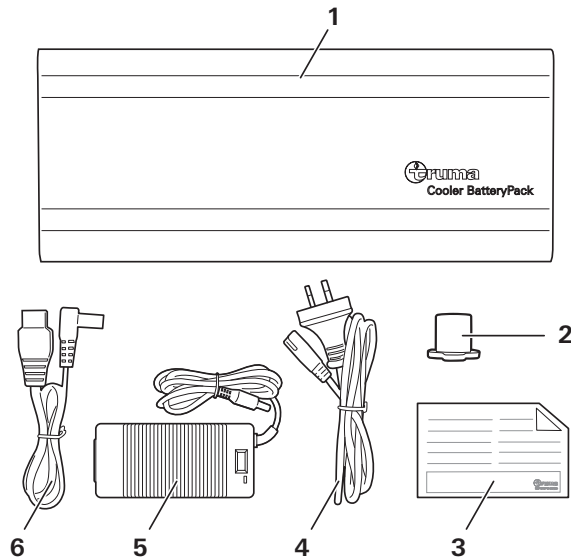


Fig. 1

- 1 BatteryPack
- 2 Blanking plug 12/24 V connection
- 3 Operating instructions
- 4 230 V power cable for charger
- 5 BatteryPack FY0681683000 charger
- 6 Connector cable to Truma Cooler

4.2 Appliance overview

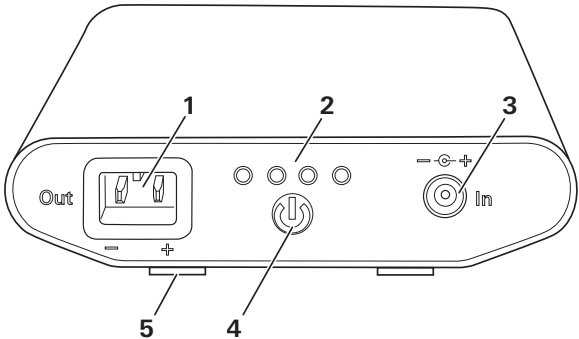


Fig. 2

- 1 Connection for Truma Cooler
- 2 LED capacity display
- 3 Connection for charger
- 4 On/Off switch
- 5 Magnetic assembly feet

LED capacity display

Illuminating LEDs		Remaining capacity
1		10 - 25%
2		25 - 50%
3		50 - 75%
4		75 - 100%

5 Operation

5.1 Charging



WARNING

Battery could be damaged if an unsuitable charger is used

A damaged battery can cause serious injury and damage to the product.

- ▶ Charge the BatteryPack only with the supplied charger.

- ▶ Make sure that the specified ambient temperature of 16 °C - 40 °C for charging is present.
- ▶ Plug the connector cable on the charger (Fig. 1-5) into the connection for the charger (Fig. 2-3) on the BatteryPack.
- ▶ Connect the charger to the power supply, using the power cable (Fig. 1-4).

During charging, the LEDs of the BatteryPack flash. When all four LEDs are lit continuously, the BatteryPack is fully charged. During charging, the connection for the Truma Cooler is deactivated.

During charging, the LED (Fig. 3-2) of the charger (Fig. 3-1) is red. The LED changes to green when charging is complete.

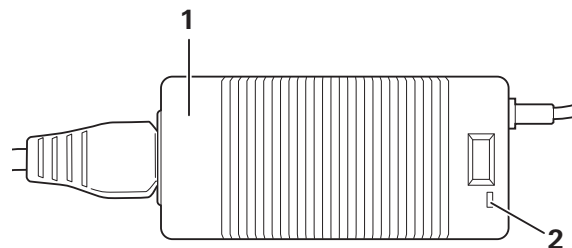


Fig. 3

- ▶ After charging, disconnect the charger from the BatteryPack.

5.2 Using a Truma Cooler with the BatteryPack

5.2.1 Assembly

Attach the BatteryPack directly to a metal surface of the Truma Cooler with the magnetic feet.



CAUTION

Crushing hazard

The magnets of the BatteryPack have a strong holding force. Careless handling can lead to crushing of fingers or skin.

- ▶ First place the BatteryPack on the Truma Cooler with one of the long sides and then carefully press it onto the surface.
- ▶ Attach the BatteryPack to a metal surface on the Truma Cooler (Fig. 4).
- ⓘ The BatteryPack must not be covered with a Truma Cooler insulating cover.



CAUTION

Risk of injury if BatteryPack falls off

If the mechanical load is too high, a BatteryPack on the Truma Cooler could fall off and cause injury.

- ▶ When carrying the Truma Cooler, do not bump it or put it down too abruptly.

5.2.2 Connection



WARNING

The BatteryPack will be damaged if the Truma Cooler is connected to an external power supply at the same time

Unintentional charging of the BatteryPack by the Truma Cooler can cause serious injury and damage to the product.

- ▶ Do not connect the Truma Cooler to the BatteryPack and vehicle power supply at the same time.
- ▶ Remove the blanking plug (Fig. 1-2) from the connection for the Truma Cooler (Fig. 2-1).
- ▶ Plug the connector cable (Fig. 1-6) into the connection for the Truma Cooler (Fig. 2-1) of the BatteryPack and into one of the two DC sockets of the Truma Cooler (Fig. 4).

5.2.3 Switching on/off

- ⓘ Observe the sequence for switching on:
 1. BatteryPack
 2. Truma Cooler
- ▶ Press the on/off switch (Fig. 2-4) for two seconds to switch the BatteryPack on or off.

5.2.4 Disconnecting

- ▶ Switch off the Truma Cooler
- ▶ Switch off the BatteryPack (5.2.3 Switching on/off).
- ▶ Disconnect the connector cable (Fig. 1-6) from the Truma Cooler and from the BatteryPack.
- ▶ Insert the blanking plug (Fig. 1-2) into the connection for the Truma Cooler (Fig. 2-1) on the BatteryPack.

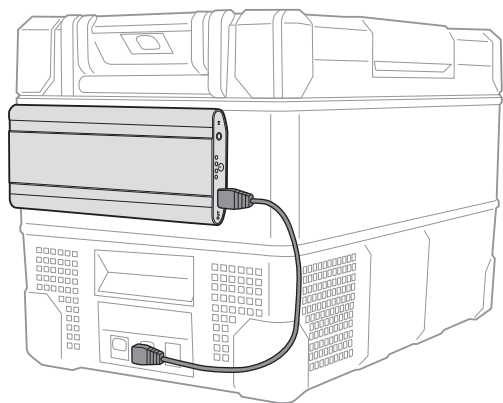


Fig. 4

6 Safety functions

6.1 Switching off at low charge

The BatteryPack switches off automatically when the output voltage falls below 12.6 V. All four LEDs of the LED capacity display (Fig. 2-2) then flash simultaneously.



WARNING

Damage or risk of fire due to deep discharge

Deep discharge of batteries can damage them or even cause a fire.

- ▶ Do not store the BatteryPack if all four LEDs of the LED capacity display are flashing.
- ▶ Fully charge the BatteryPack.

6.2 System protection

If the BatteryPack detects irregularities or problems in the system, the inbuilt system protection switches on. The BatteryPack switches off and all four LEDs of the LED capacity display (Fig. 2-2) flash simultaneously.

- ▶ Disconnect the BatteryPack from the Truma Cooler.
- ▶ Rectify the cause of the fault (**7 Faults**).
- ▶ Attach the BatteryPack to the Truma Cooler.
- ▶ Switch on the BatteryPack.

The following events could activate the system protection:

- Short circuit
- Overvoltage
- Overcharging
- Completely discharged battery
- Simultaneous charging and discharging
- Ambient temperature too high

7 Faults

Listed below are some actions that can be taken to rectify faults. If these actions do not produce the desired result, contact Truma Service.

Unable to switch the BatteryPack on

- ▶ Make sure that the BatteryPack is fully charged.
- ① The BatteryPack switches off automatically if it is exposed to high temperatures.
- ▶ Allow it to cool and switch it on again.

Unable to charge the BatteryPack

- ▶ Make sure that all plugs are plugged in properly.
- ▶ Check that the power connection is functioning
- ▶ Charge only at temperatures between 16 °C and 40 °C.

8 Cleaning and care

- ▶ Before cleaning the BatteryPack, disconnect it from the power supply.
- ▶ Wipe the BatteryPack with a clean, slightly damp cloth.
- ▶ Dry thoroughly.
- ▶ Do not use sharp, pointed or hard objects for cleaning.
- ▶ Do not use abrasive cleaning products.



NOTICE

Damage from liquids

- ▶ Do not wipe with a wet cloth.
- ▶ Do not immerse in liquid or spray with water.

9 Maintenance

Fully charge the BatteryPack every three months.
The charger requires no maintenance.

10 Repair

- ▶ Do not repair the device yourself.
- ▶ If the BatteryPack is faulty, do not use it and contact Truma Service (see back page of these operating instructions).
It may be necessary to arrange for the product to be collected.

11 Transport

The BatteryPack is subject to the requirements of hazardous materials transportation law.



WARNING

Danger associated with air transport

Transporting the BatteryPack in an aircraft can cause serious injury and material damage.

- ▶ Do not transport the BatteryPack in an aircraft.

11.1 Transport in vehicle / load securing

Users can transport the BatteryPack by road.

- ▶ Stow the BatteryPack in the vehicle so that it cannot fly around if the vehicle brakes or swerves.
- ▶ Do not transport the BatteryPack if the temperature inside the vehicle is more than 60 °C.

11.2 Shipping

When the BatteryPack is shipped, special requirements for packaging, labelling and documentation must be observed.

- ▶ Ask the shipping company about specific requirements for Li-ion batteries above 200 Wh.
- ▶ Ship the BatteryPack only if the housing is undamaged.
- ▶ Do not mask open contacts with conducting material.
- ▶ Pack the BatteryPack so that it cannot move around in the package.
- ▶ Observe any other national regulations.

12 Disposal and recycling



Li-ion

Li-ion:

Observe the information in Section 11 Transport .



Used electric and electronic devices must not be disposed of together with household waste. Use available collection points to return and dispose of used electric and electronic devices.

This simplifies reuse and recycling of electric devices and makes a significant contribution towards environmental protection.



Do not dispose of used batteries together with household waste. Used batteries must be disposed of separately at a recycling collection point. This simplifies reuse and recycling of batteries and makes a significant contribution towards environmental protection.

The BatteryPack and charger can be disposed of via a civic collection point (e.g. Wertstoffhof in Germany) or via a Truma Service Partner.

13 Technical data

BatteryPack

Size	Value
Type	Lithium-Nickel-Manganese-Cobalt (Li-NMC)
Model	CCP15
Nominal energy/capacity	212 Wh / 14.7 Ah
Battery voltage	14.4 V DC
Output current, max.	8.0 A
Charging voltage, max.	16.8 V DC
Charging current, max.	3.0 A
Ambient temperature for operation and charging	+16 °C to +40 °C *
AMBIENT temperature for storage	-10 °C to +60 °C
Charging time	up to 6 h
Protection type	IP21
Operating time with Truma Cooler C30	up to 18 h
Dimensions	330.0 x 140.0 x 35.5 mm
Weight	1.65 kg

*Higher operating temperatures than +40 °C are possible, but may lead to a reduction in performance.

Charger FY0681683000

Size	Value
Nominal AC voltage	100 - 240 V AC, 50 / 60 Hz
Charging voltage, max.	16.8 V DC
Charging current, max.	3.0 A
Ambient temperature	+16 °C to +40 °C
Protection type	IP20

EN Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com).

In order to avoid delays, please have the unit model and serial number ready (see type plate).

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