

## Declaration of conformity

Mirka Ltd, 66850 Jeppo, Finland declare under our sole responsibility that the Mirka® products (listed below and see "Technical data" table for particular model) to which this declaration relates are in conformity with the following standards or other normative documents: EN 60335-1:2012/A15:2021, EN 60335-2-29:2021/A1:2021, EN 62233:2008, EN 55014-1:2017, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013 & EN IEC 63000:2018 in accordance with the regulations 2014/35/EU, 2014/30/EU, 2011/65/EU, 2015/863/EU & 2012/19/EU.				
Products: Mirka® BCA 108 Battery charger				
Jeppo 27.06.2023 Place and date of issue	 Company	 Stefan Sjöberg, CEO	Manufacturer /Supplier Mirka Ltd 66850 Jeppo, Finland Tel. +358 20 760 2111 Fax +358 20 760 2290 www.mirka.com	

Original instructions. We reserve the right to make changes to this manual without prior notice.

### Safety rules for battery pack and charger

- Important safety and operating instructions for your battery and charger. Before using the charger, read all instructions and warnings on the charger, the battery pack and the tool.
- If the battery pack casing is cracked or damaged, do not insert into charger. There is a danger of electric shock or electrocution.
- Do not allow any liquid to get inside charger. Electric shock may result.
- This charger is not intended for any uses other than charging rechargeable batteries.
- Do not place any object on top of the charger, near any heat source or place the charger on a soft surface that may result in excessive internal heat.
- Make sure the cord is located so it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not use the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.
- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 50 °C (122 °F).
- The charger is designed to operate on standard household electrical power (100–240 VAC). Do not attempt to use it on any other voltage.
- Do not recharge non-rechargeable batteries.
- Please check prior use, if output voltage and current of the battery charger is suitable for the charging battery pack.
- Do not use the charger in the circumstances that the output polarity does not match the load polarity.
- This appliance can be used by children aged from 8 years and above and 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.
- Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
- Children should be supervised to ensure that they do not play with the appliance.

### Required personal safety equipment



Read  
operator's manual



Wear  
safety glasses



Wear  
ear protection










Wear  
safety gloves



Wear  
face mask


## Symbols

	Complies with EU relevant standards
	Complies with China RoHS requirement
	Complies with Australia & New Zealand RCM requirement
	For indoor use only
	Before charging, read the instructions
	Fuse
	Class II

## Additional information on battery and charger

Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, immediately discontinue use and do not recharge.

## Technical data

Battery charger	Mirka BCA 108
Input	100–240 VAC, 50–60Hz
Charging time	< 50 min (2.5 Ah) < 100 min (5.0 Ah)
Storage temperature range	-20 °C – 80 °C (-4 °F – 176 °F)
Charging temperature	4 °C – 40 °C (39 °F – 104 °F)
Dimension	191 x 102 x 86 mm (7 1/2 x 4 x 3 3/8")
Weight	0.66 kg (1.5 lbs)
Degree of protection	II / 

Battery pack	Mirka BPA 10825	Mirka BPA 10850	Mirka BPA 11125	Mirka BPA 11150
Type	Rechargeable Li-ion	Rechargeable Li-ion	Rechargeable Li-ion	Rechargeable Li-ion
Battery voltage	10.8 VDC	10.8 VDC	11.1 VDC	11.1 VDC
Capacity	2.5 Ah / 27.0 Wh	5.0 Ah / 54.0 Wh	2.5 Ah / 27.75 Wh	5.0 Ah / 55.5 Wh
Weight	0.18 kg (0.4 lbs)	0.38 kg (0.8 lbs)	0.18 kg (0.4 lbs)	0.38 kg (0.8 lbs)
Intelligent battery	Yes	Yes	Yes	Yes

## Battery and charger

- The battery pack is not fully charged out of the carton. First read the safety instructions and then charge your battery according to the instructions.

- For optimal charging capacity the battery should be charged at an ambient temperature between 18 °C (64 °F) and 24 °C (75 °F). To prevent damage to the battery pack, do not charge the battery pack where the air temperature is below 4 °C (32°F) or above 40 °C (104 °F).
- To obtain the longest possible battery life, we suggest the following:
  - Store and charge your battery in a cool area. Temperatures above or below normal room temperature will shorten battery life.
  - Never store the battery in a discharged condition. Recharge it immediately after it has been discharged.
- All batteries gradually lose their charge. The higher the temperature, the quicker they lose their charge.

If you store your tool for long periods of time without use, recharge the battery every month. This practice will prolong battery life.

## Charging procedure

- Connect the power cord to the charger, and then plug into an outlet before inserting battery pack. All three charging lights will be on for two seconds and then turn off.
- Insert the battery pack into the charger. The lights will start to flash within 30 seconds.
- During the charging process, the charging lights will indicate the status as follows:
  - Three charging lights will flash in sequence during the charging process.
  - Fully charged, all three lights will remain on continuously.
- The charging process will last approximately 50 minutes for BPA 10825/11125 and 100 minutes for BPA 10850/11150 battery pack.

NOTE! This charger can only charge Mirka 12V battery packs.

NOTE! Charging times may be longer depending on the surrounding temperature and battery conditions.

LED indication of BCA 108 charger

LED						
3						
2						
1						
Status	 Pre-charge (Trickle charge)	 Charging...	 Charging...	 Charging finished	 Over temperature	 Battery failure
	Remain continuously on	Flashing				

## Charger diagnostics

The charger will indicate if:

- A battery pack is overheated. All three charging lights will flash. Remove the battery and allow it to cool down for 15–30 minutes and re-insert.
- A malfunction occurs in the battery or the charger. Two charging lights will flash. Remove the battery and allow it to cool down. Re-insert the battery pack into the charger. If two charging lights still flash, the battery or charger may require service.

## Disposal information

### DANGER



Render redundant power tools unusable by removing the power cord.

Observe applicable country-specific regulations regarding disposal and recycling of disused machines, packaging and accessories.

EU only: Do not dispose electric power tools in house-hold waste. According to European Directives on waste electrical and electronic equipment and its implementation under national law, electric tools that have reached the end of their life must be collected separately and taken to an environmentally compatible recycling facility.

For more information regarding REACH, RoHS and our corporate social responsibility visit [www.mirka.com](http://www.mirka.com)