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# User manual



## Battery charger

MODEL NUMBER:  
SERIAL NUMBER:

☐ CEDFCH2.4

Model number and serial number should be on nameplate.  
You should write them down and store in a safe place.



## Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



..... Read instruction manual.



..... Indoor use only.



..... Double insulated.



..... Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

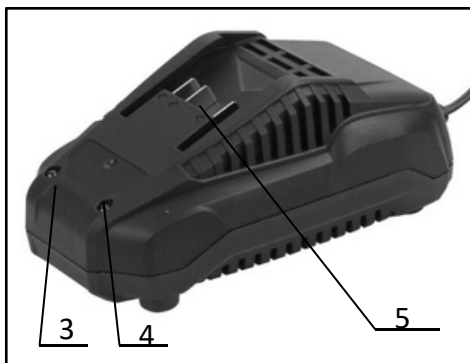
Cd  
Ni-MH  
Li-ion

## Intended Use

The product described is a battery charger for Charging Cedrus Li-ion batteries with a rated voltage of 20 volts. It is designed to be connected to power outlets providing an AC (alternating current) voltage of 230 to 240 volts (depending on country-specific version).

A list of the batteries approved for use with this product can be found in this document.

## Product Overview



- 1. Battery Pack
- 2. Battery charger
- 3. Green battery charge status indicator light
- 4. Red battery charge status indicator light
- 5. Battery interface

## Safety Instructions



### Read all the safety and general instructions.

Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

**Store these instructions in a safe place.** Only use the charger if you can fully evaluate all functions and carry them out without restrictions, or if you have received corresponding instructions

- 1. This charger is not intended for use by children or persons with physical, sensory or mental limitations or a lack of experience or knowledge. This charger can be used by children aged 8 or older and by persons who have physical, sensory or mental limitations or a lack of experience or knowledge if a person responsible for their safety supervises them or has instructed them in the safe operation of the charger and they understand the associated dangers.** Otherwise, there is a risk of operating errors and injuries.
- 2. Supervise children during use, cleaning and maintenance.** This will ensure that children do not play with the charger.
- 3. Only charge Cedrus Li-Ion batteries. The battery voltage must match the battery charging voltage of the charger. Do not charge any non-rechargeable batteries.** Otherwise there is a risk of fire and explosion.
- 4. Do not expose the charger to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 5. Keep the charger clean.** Dirt poses a risk of electric shock.
- 6. Always check the charger, cable and plug before use. Stop using the charger if you discover any damage. Do not open the charger yourself, and have it repaired only by a qualified specialist using only original replacement parts.** Damaged chargers, cables and plugs increase the risk of electric shock.
- 7. Do not operate the charger on an easily ignited surface (e.g. paper, textiles, etc.) or in a flammable environment.** There is a risk of fire due to the charger heating up during operation.
- 8. In case of damage and improper use of the battery, vapours may also be emitted.** Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- 9. Do not cover the ventilation slots of the charger.** Otherwise, the charger may overheat and no longer function properly.

## Specifications

### Technical Data

<b>Model:</b>	<b>CEDFCH2.4</b>	
Input	230-240V~ 50Hz, 85W	
Output	21.5VDC, 3.5A	
Suggest charging temperature range	5~45°C	
<b>Battery type for charging</b>	<b>CEDLi-Ion 2Ah</b>	<b>CEDLi-Ion 4Ah</b>
battery capacity & Rated voltage	D.C. 20V (Li-ion) 2.0Ah	D.C. 20V (Li-ion) 4.0Ah
Number of battery cells	5	10
80% Charge Time	48min	96min
100% Charge Time	60min	120min
Protection class	□ / II	

## Operation

### Charging The Battery

The charger is equipped with a green battery charge status indicator light (3) and a red battery charge status indicator light (4). During charging, the red indicator light will light up. After completion of charging, the green indicator light will light up and the red indicator turns to light off.

- Connect the charger (2) to a suitable mains socket. The green charging indicator light comes on
- Slide the battery (1) onto the charger along the Battery interface (5), the red indicator charging light comes on
- The charger may become warm and buzz slightly during charging. This is normal and does not indicate a fault.

## NOTE:

- ▶ Make sure that the contacts on the battery and the contacts on the charger are clean and dry.
  - ▶ Make sure that the battery always engages correctly.
  - ▶ Charge the battery fully before using it for the first time.
- engages with an audible click.
- ▶ Check that the battery is seated securely.



## Removing The Batter

- ▶ After about one hour or two hours later the green charging indicator will light up to indicate that charging is completed.
- ▶ Disconnect the charger from the main socket after charging.
- ▶ Pull the battery out of its holder in the device.

## Maintenance And Cleaning

### Maintenance

- ▶ In order to avoid safety hazards, if the power supply cord needs to be replaced, this must be done by Cedrus or by a customer service centre that is authorised to repair Cedrus power tools.

### Cleaning

- ▶ Carefully remove any dirt that may be adhering to parts.
- ▶ Clean the air vents carefully with a dry brush.
- ▶ Use only a slightly damp cloth to clean the casing. Do not use cleaning agents containing silicone as these may attack the plastic parts.

## Disposal

Chargers, accessories and packaging should be recycled in an environmentally friendly manner.



Do not dispose of chargers along with household waste.

### Only for EU countries:

According to the European Directive 2012/19/EU on Waste

Electrical and Electronic Equipment and its implementation into national law, chargers that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.