KAVAN C3

Mains charger for 2S/3S Li-Po batteries · 10 W
Instruction manual



The product is intended for persons aged 14 and over. Read the entire instruction manual before first use, especially the safety notes in Chapter 1. Charge only 2S or 3S Li-Po batteries.

www.rotorama.com

Contents

1. Safety notes

2. Product description

2.1 Introduction

2.2 Set contents

2.3 Charger description

2.4 Technical specifications

3. Charging the battery

4. Indicators and troubleshooting

4.1 Interpreting the indicators

4.2 If charging does not start

5. Information for the EU and Czech Market

5.1 Manufacturer and seller

5.2 Product conformity

5.3 Disposal of electrical equipment

6. Warranty and rights arising from defective performance

6.1 Rights of the buyer under Czech law

6.2 Manufacturer's warranty terms

1. Safety notes

DANGER – Charge only rechargeable 2S or 3S Li-Po packs. Never connect a battery to each socket at the same time. Do not charge LiHV, LiFe, Li-ion, NiCd, NiMH, lead-acid or primary batteries with this charger.

- The product is intended for persons **aged 14 and over**.
- Read the battery manufacturer's charging instructions. The battery must accept a charging current of 800 mA.
- Charge under constant supervision, outside the model, on a firm, non-flammable, heat-resistant, nonconductive surface. Keep combustible materials away.
- Keep the charger and battery cool, dry and ventilated. Do not cover them or use them in direct sunlight.
- Stop charging if a battery swells, leaks, becomes unusually hot or shows damage. Do not reuse a damaged battery.
- Keep the charger's mains connections dry. Do not use a damaged cable or dismantle the charger.
- Allow a battery to cool to room temperature before charging. Disconnect the battery and unplug the charger after use.

2. Product description

2.1 Introduction

The KAVAN C3 is a simple mains charger for 2S and 3S Li-Po batteries that charges via the JST-XH balance connector. The proper operation of this charger, as well as the proper usage of your batteries, does require some knowledge on the part of the user. It is therefore important that you read the entire instruction manual before you attempt to use your new charger for the first time.

2.2 Set contents

- 1× KAVAN C3 charger
- 1× mains cable
- 1× instruction manual






2.3 Charger description



①	**Cell 1** LED – charging indicator for cell 1
②	**Cell 2** LED – charging indicator for cell 2
③	**Cell 3** LED – charging indicator for cell 3 (3S battery only)
④	JST-XH balance socket for a **2S** battery (smaller, three pins)
⑤	JST-XH balance socket for a **3S** battery (larger, four pins)
⑥	label with supply voltage and charging current

※ Always connect the battery to one socket only – the one matching its cell count.

2.4 Technical specifications

Power supply	230 V AC / 50 Hz (label: 100–240 V / 50–60 Hz)
Battery chemistry	Li-Po only
Cell count	2S or 3S (7.4 V or 11.1 V nominal)
Charging current	800 mA
Maximum charging power	10 W
Charging method	Constant Current/Constant Voltage (CC/CV)
Connection	JST-XH 2S or 3S balance socket
Simultaneous batteries	One
Dimensions	90 × 58 × 33 mm
Weight	151 g
Manufacturer code	KAV34.1003

3. Charging the battery

① Connect the power cable to the charger.

② Plug the power cable of the charger into the mains socket. All the LEDs glow green and flash red indicating the charger is ready to charge.

③ Plug the balance connector of your flight battery (JST-XH) into the corresponding socket on the charger (2S or 3S).

④ The charger starts charging. LEDs will start to glow red. If a 2S pack is connected, Cell 1 and Cell 2 LEDs will glow red; if a 3S pack is connected, Cell 1, Cell 2 and Cell 3 LEDs will glow red.

⑤ Once a particular cell in the flight battery has been fully charged, the corresponding LED will glow green. A 2S pack will be fully charged if Cell 1 and Cell 2 LEDs glow green; a 3S pack will be fully charged if Cell 1, Cell 2 and Cell 3 LEDs glow green.

⑥ Disconnect the flight battery from the charger; LEDs will glow green indicating the charger is ready to charge another pack. Unplug the charger from the mains socket if you are not going to charge another battery.

4. Indicators and troubleshooting

4.1 Interpreting the indicators

Indication	Meaning
Green with red flashes before connection	Standby; ready to connect a pack
Applicable cell LED red	That cell is charging
Applicable cell LED green after charging	That cell is fully charged
All applicable cell LEDs green	Charging complete; disconnect the battery

※ On a 2S pack, only Cell 1 and Cell 2 indicate the connected cells. The unused third cell indicator is not part of the completion check.

4.2 If charging does not start

Disconnect the battery and mains supply. Check the mains cable, battery chemistry, cell count, connector orientation and condition of the leads. Never bypass the balance connection or substitute a different battery chemistry to force charging. If the expected indication does not return, stop using the charger and contact your retailer.

5. Information for the EU and Czech Market

European Union regulations apply in all Member States, but national regulations differ from country to country. The information in Chapters 5 and 6 describes the situation in the Czech Republic. If you use the product in another country, follow the regulations of the country in which you use it.

5.1 Manufacturer and seller

Manufacturer / responsible person in the EU	**KAVAN Europe s.r.o.**
Company ID (IČO)	178 33 914
VAT ID (DIČ)	CZ17833914
Registered office	Doubravice 110, 533 53 Pardubice, Czech Republic
E-mail	info@kavanrc.com
Phone	+420 463 358 712
Website	www.kavanrc.com

Seller	**Rotorama, s.r.o.**
Company ID (IČO)	051 57 692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

5.2 Product conformity

CE

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- Hereby, KAVAN Europe s.r.o. declares that the KAVAN C3 charger is in compliance with the essential requirements as laid down in the relevant European directives and norms. The full text of the **EU Declaration of Conformity** is available at www.kavanrc.com/doc.
- **Product identification:** the type designation C3 and the supply voltage are given on the charger label. Manufacturer code KAV34.1003, EAN 8596450055971.

5.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the manufacturer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

6. Warranty and rights arising from defective performance

6.1 Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection. The manufacturer's warranty terms set out below (Chapter 6.2) **do not in any way limit** the buyer's rights arising from these regulations.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The contact details of the manufacturer and seller are given in Chapter 5.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.

6.2 Manufacturer's warranty terms

❊ The following text is the manufacturer's original warranty statement.

The KAVAN Europe s.r.o. products are covered by a guarantee that fulfils the currently valid legal requirements in your country. If you wish to make a claim under guarantee, please contact the retailer from whom you first purchased the equipment.

The guarantee does not cover faults caused by:

- crashes, improper use, incorrect connection, reversed polarity,
- improper maintenance,
- modifications or repairs which were not carried out by KAVAN Europe s.r.o. or authorised by KAVAN Europe s.r.o.,
- accidental or deliberate damage,
- defects caused by normal wear and tear,
- operation outside the Specification.