iSDT PC-4860S

Parallel charging board for 2–8S Li-Po batteries
Instructions for use



The product is intended for persons aged 14 and over. Read the safety instructions in Chapter 1 before use. Only charge batteries in parallel that have the same cell count and a voltage difference of no more than 0.2 V.

www.rotorama.com

Contents

1. Safety instructions

2. Product description

2.1 Intended use

2.2 Package contents

2.3 Specifications

2.4 Markings on the bottom side

3. Parallel charging

4. Maintenance and troubleshooting

5. Information for the EU and Czech Market

5.1 Manufacturer, importer and seller

5.2 Product conformity

5.3 Disposal of electrical equipment

6. Warranty and rights arising from defective performance

1. Safety instructions

- The product is intended for persons **aged 14 and over**.
- Only charge batteries **of the same type and with the same cell count** in parallel. The batteries may have different capacities.
- Measure the voltage of the batteries before connecting them. **The voltage difference between individual batteries must not exceed 0.2 V.** With a greater difference, equalising currents flow between the batteries, which can damage both the batteries and the board.
- Do not connect damaged, swollen or overheated batteries.
- Charge only under supervision, on a non-flammable surface and away from flammable materials. Never leave charging unattended.
- Do not exceed the board's maximum input current of 40 A and the maximum current of 30 A per port.
- Observe the correct polarity of the balance connectors – the negative pole is on the side marked with the “−” symbol.
- Protect the board from moisture, dust and metal objects that could cause a short circuit.

2. Product description

2.1 Intended use

The iSDT PC-4860S parallel charging board is used to charge up to four Li-Po batteries at once, even on a single-channel charger. To the charger, the batteries connected in parallel appear as a single battery with a capacity equal to the sum of their capacities. For greater safety, the board has a set of fuses for each battery. The housing is made of aluminium.

2.2 Package contents

- 1× iSDT PC-4860S parallel charging board
- 1× XT60 charging cable
- 1× 6S balance connection lead



Board with accessories

2.3 Specifications

Manufacturer's designation	PC-4860S
Battery type	Li-Po
Cell count (balancing)	2–8S
Number of batteries	up to 4
Battery connectors	4× XT60 + 4× balance socket
Maximum input current	40 A
Maximum output current	30 A per port
Maximum balancer current	2 A
Dimensions	88 × 58 × 20 mm
Weight	210 g

2.4 Markings on the bottom side



Bottom side of the board: maximum currents and 2S–8S balance connector pinout

The bottom side of the board shows which pins of the balance socket are used by a battery with a given cell count (2S–8S). The negative pole (−) is on the side marked with the arrow. Always insert the battery's balance connector so that its negative wire is on this side.

3. Parallel charging

① Make sure that all batteries are of the same type and have the same cell count. Measure their voltage – the difference must not exceed 0.2 V.

② Connect the board to the charger: the XT60 charging cable to the charger output, and the balance connection lead to the balance socket on the front of the board and to the charger's balance port.

③ Connect the batteries: the power connector to an XT60 socket on the top of the board and the balance connector to a balance socket on the side of the board, with the correct polarity. Always connect each battery with both connectors.

④ On the charger, set the battery type and the cell count of one battery. Set the charging current according to the **sum of the capacities** of the connected batteries and the manufacturer's recommendations, up to 40 A in total.

⑤ Start charging in balance charging mode and monitor its progress.

⑥ When charging is finished, disconnect the batteries from the board and the board from the charger.

※ Never connect batteries with different cell counts to the board at once.

4. Maintenance and troubleshooting

- Check the connectors and cables before each use. Do not use damaged or deformed connectors.
- Store the board in a dry place with no batteries connected.

Problem	Cause and solution
The charger reports a balance connector error	Check the polarity and seating of the balance connectors and the cell count set on the charger. Make sure that all batteries have the same cell count.
One of the batteries is not charging	Check the connection of both of its connectors. A fuse may have blown; hand the board over to the seller for assessment.
The batteries or the board are heating up	Stop charging immediately and disconnect the batteries. Check the voltage difference between the batteries and the set charging current.

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, importer and seller

Manufacturer	**SHENZHEN ISD TECHNOLOGY CO., LTD.**
Address	Room 17F1703, Building 2, Runzhi R&D; Center, No. 5, Runfang Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Website	www.isdt.co

Importer / 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

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the e-mail address info@kavanrc.com.
- **Product identification:** the type designation PC-4860 and the maximum currents are given on the bottom side of the board. EAN 6971337050287.

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 importer 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

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 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, importer 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.