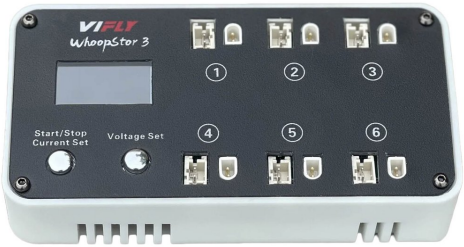
VIFLY WhoopStor 3

6-port charger and discharger for 1S batteries
User Manual



Before first use, read this entire manual carefully, in particular the safety instructions in Chapter 1. Keep the manual for future reference.

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1. Safety instructions

The charger works with lithium batteries, which can catch fire if handled incorrectly. Therefore, observe all of the following instructions.

1.1 Operating the charger

- The product is intended for persons aged 14 and over. **Children should not operate this device.**
- **Never leave the charger unattended while it is in operation.**
- Make sure the power supply voltage is compatible with this device (see Chapters 3 and 4).
- Keep your hands dry when plugging or unplugging the power supply.
- The device generates heat during operation. Keep it away from humidity and high temperatures.
- When charging, avoid direct sunlight and keep the charger away from heat sources. Do not cover the top or bottom of the housing and maintain good ventilation.
- When using or storing the charger, prevent any liquid or metal particles from penetrating it. Protect it from falls and impacts.
- After the power is disconnected, remove all batteries in time.

1.2 LiPo and LiHV battery guidelines

- Charge only single-cell (1S) LiPo or LiHV batteries with a PH2.0 or BT2.0 connector. Do not charge other battery types (NiMH, Li-ion, $LiFePO_4$ etc.).
- Always set the target voltage according to the battery type: **4.20 V** for LiPo, **4.35 V** for LiHV. Never charge a LiPo battery to LiHV voltage.
- Do not charge a battery that is swollen, mechanically damaged, has damaged wires or a damaged connector, or has been deeply discharged.
- Charge on a non-flammable surface, away from flammable materials. We recommend a fireproof charging bag or box.
- If a battery becomes unusually hot during charging, starts to swell, or emits smoke or odour, stop charging immediately, disconnect the power and move the battery to a safe place.
- Do not charge a battery immediately after a flight while it is still warm – let it cool down first.

2. Product description

VIFLY WhoopStor 3 is the first 6-port charger and discharger with storage function specially for 1S whoop batteries. It also comes with other outstanding features like an LCD display, PH2.0 and BT2.0 compatibility and adjustable current.

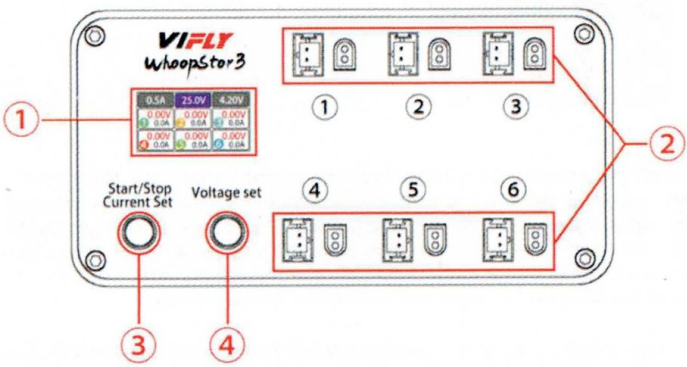


Fig. 1 – Controls and outputs of the charger

No.	Name	Description
①	LCD display	See Chapter 5.
②	Output (ports 1–6)	Each port has a PH2.0 and a BT2.0 socket. Batteries cannot be plugged into both sockets of the same port at the same time.
③	Button 1 (Start/Stop, Current Set)	Short press: change the charge current. Long press: start or stop.
④	Button 2 (Voltage set)	Short press: change the target voltage. Long press: turn the buzzer on or off.

※ Connect only one battery to each port – either to the PH2.0 socket or to the BT2.0 socket.

3. Specifications

Parameter	Value
Dimensions	108 × 55 × 30 mm
Input connectors	XT60, DC 5.5 × 2.1 mm (centre +), USB-C (PD 3.0)
Input voltage range	6–26 V (XT60 – 2S–6S battery, DC) 9–20 V (USB-C)
Min. input power	40 W
Number of outputs	6
Max. charging current	1.3 A/port
Max. discharge current	0.3 A (not adjustable)
Max. discharge power	1.1 W/port
Supported battery connectors	PH2.0 and BT2.0
Battery type	1S LiPo 4.20 V (±0.05 V) 1S LiHV 4.35 V (±0.05 V)
Storage voltage	3.80 V (±0.05 V) / 3.85 V (±0.05 V)

4. Powering the charger

The charger can be powered from one of three inputs. Always use only one power source.

Input	Voltage	Suitable source
XT60	6–26 V	2S–6S battery or DC power supply
DC 5.5 × 2.1 mm	6–26 V	DC power adapter, centre pin +
USB-C (PD 3.0)	9–20 V	Adapter or power bank supporting PD

4.1 Power supply output

- Please choose a suitable power adapter or power bank that can effectively ensure the charging efficiency – one with an output power **greater than 40 W**.
- When the output power of the adapter or power bank is low, the charger may not work properly. In this case, please reduce the charging current or the number of batteries being charged.
- When an adapter or power bank that supports the PD or QC protocol is connected to USB-C and can only output 9 V, the charger will limit the maximum charging current to **0.6 A**.

4.2 Powering from a battery via XT60

When you connect a 2S–6S battery to the XT60 input, the charger will automatically determine the battery type (cell count). It then monitors the input battery voltage:

- When the voltage of a cell is lower than **3.5 V**, the charger will stop charging and storage charging.
- When each cell voltage is lower than **3.3 V**, the charger will turn off the LCD display and go into power-save status.

※ Disconnect the input battery and all charged batteries in time to avoid battery damage.

5. LCD display

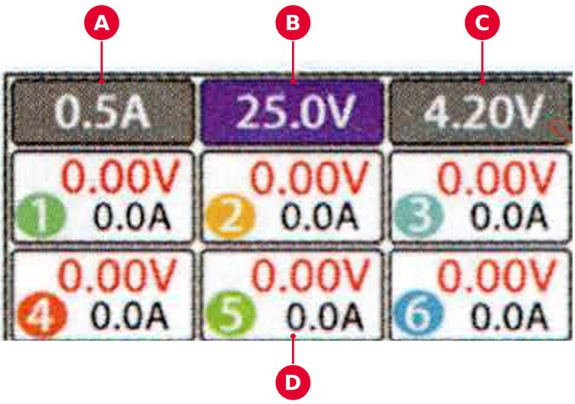
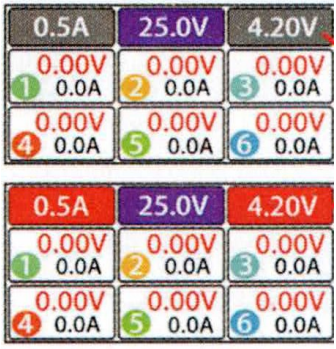


Fig. 2 – Information on the display

	Item	Meaning
A	Charge current ※	Set maximum charge current per port
B	Input voltage	Voltage of the power source
C	Target voltage	Voltage to which the charger charges or discharges the batteries
D	Battery voltage & current	Current voltage (top) and current (bottom) of the battery on port 1–6

※ Only the maximum charge current can be set; the discharge current cannot be set and does not exceed 0.3 A.

5.1 Charger status



- **Grey header** (upper picture) – the charger is ready to work.
- **Red header** (lower picture) – the charger is working.
- When charging or storage charging has finished, the screen shows **“OK”**. Please remove the battery in time.

6. Operation

6.1 Charging and storage mode

① Connect the charger to a power source as described in Chapter 4.

② Short-press Button 2 *(Voltage set)* repeatedly to select the target voltage according to the battery type and the desired mode – charging (4.20 V for LiPo, 4.35 V for LiHV) or storage (3.80 V / 3.85 V).

③ Short-press Button 1 *(Start/Stop, Current Set)* repeatedly to set the maximum charge current (max. 1.3 A/port). Choose the current with regard to the battery capacity and the power of the source.

④ Connect the batteries – only one per port, either to the PH2.0 or the BT2.0 socket. Check their voltage on the display.

⑤ Long-press Button 1 to start charging. The display header turns red.

⑥ As soon as “OK” is shown for a battery, disconnect it.

In storage mode, the charger charges a battery with a lower voltage and discharges a battery with a higher voltage to the selected storage voltage. Discharging runs at a maximum of 0.3 A (max. 1.1 W/port) and therefore takes longer than charging.

6.2 Stopping and other functions

- **Stop:** long press of Button 1.
- **Buzzer:** long-press Button 2 to turn it on or off.

※ Always check the set target voltage before connecting a battery. Charging a LiPo battery to LiHV voltage will damage it and may cause a fire.

7. Care, storage and troubleshooting

7.1 Care and storage

- Store the charger in a dry place out of the reach of children; protect it from humidity, dust, metal particles and high temperatures.
- Disconnect the power and all batteries before storing it.
- Clean it with a dry soft cloth. Do not use water or solvents.
- Keep the connectors clean. Do not continue to use a damaged charger or damaged sockets.
- Store batteries that you will not use for several days at storage voltage – this is what the charger's storage mode is for.

7.2 Troubleshooting

Problem	Cause and solution
The display turns off when powered via XT60	The cell voltage of the input battery has dropped below 3.3 V and the charger has entered power-save status. Disconnect the input battery and the charged batteries and recharge the input battery.
Charging stopped when powered via XT60	The voltage of a cell of the input battery has dropped below 3.5 V. Use a charged input battery.
The charger does not work properly or restarts	The power source does not have sufficient output. Use a source with more than 40 W, or reduce the charging current or the number of batteries being charged.
Charging current via USB-C is limited to 0.6 A	The adapter or power bank only outputs 9 V. Use a PD source with a higher output voltage, or power the charger via XT60 or DC.
Discharging in storage mode takes a long time	This is normal – the discharge current is limited to 0.3 A.

8. Information for the EU and Czech Market

The information in this chapter describes the situation in the Czech Republic. If you use the product in another country, you must follow the regulations of the country in which you use it.

8.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.cz

8.2 Product conformity

CE

- 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 address stated above or at the e-mail address info@rotorama.cz.
- **Product identification:** the type designation (VIFLY WhoopStor 3) is given on the top panel of the device and on the packaging.

8.3 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.

9. 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. Any manufacturer's warranty terms **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 importer's contact details are given in Chapter 8.1.
- 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.