ROTORAMA

StoreSafe XT60

LiPo battery discharger to storage voltage
VIFLY · XT60 connector · 2S–6S



Read the entire manual before first use, especially the safety instructions in Chapter 3. Keep this manual for future reference.

User manual · Rotorama, s.r.o. · www.rotorama.com

Contents

1. Product description

1.1 What it is for

1.2 Specifications and package contents

2. Use

2.1 Before connecting

2.2 Discharging

2.3 After discharging

3. Safety instructions

4. Troubleshooting

5. Information for the EU and Czech Market

5.1 Importer and responsible person in the EU

5.2 Disposal of electrical equipment

6. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

VIFLY StoreSafe XT60 is a small automatic discharger that discharges a LiPo battery with an XT60 connector to **storage voltage**. Batteries left fully charged for a long time age faster and lose capacity and performance, and storing them fully charged is not safe. Discharging on a charger takes a long time and keeps the charger occupied – StoreSafe simply plugs into the battery and does the job on its own.

The discharger detects the battery cell count (2S–6S) by itself, so there is nothing to set. A built-in temperature sensor and control algorithm adjust the discharge rate according to the battery voltage and the unit temperature, and the heatsink dissipates the heat produced. Once storage voltage is reached, the discharger stops discharging and switches to a state with a very low standby current, so it can be left connected for a longer time without the risk of over-discharging the battery.



StoreSafe XT60 connected to the XT60 connector of a battery (illustrative photo by the manufacturer)

1.2 Specifications and package contents

Product designation	VIFLY StoreSafe XT60
Manufacturer	VIFLY (viflydrone.com)
Intended for	LiPo batteries 2S–6S, cell count detected automatically
Working voltage	7.9–26 V
Discharge power	1 W
Storage voltage	3.85 V ± 0.08 V per cell
Current after discharge ends	< 10 µA
Overheating protection	built-in temperature sensor, heatsink
Connector	XT60
Weight	8 g
Dimensions (L × W × H)	37 × 16 × 10 mm
Package contents	1× StoreSafe XT60 discharger

Not included: battery, charger, cell voltage checker or adapters for other connector types.

2. Use

2.1 Before connecting

- Make sure the battery is a **LiPo** battery with **2 to 6 cells** and an undamaged **XT60** connector.
- Measure the voltage of the individual cells (with a cell checker or with a charger via the balance connector). The manufacturer states that before using StoreSafe **each cell must be above 3.95 V**. Do not use the discharger on a battery with lower cell voltages.
- The battery must not be swollen, mechanically damaged or hot. Let the battery cool down first after a flight or after charging.
- Prepare a suitable place: a non-flammable surface or a LiPo safety bag, nothing flammable nearby, free air flow around the heatsink.

2.2 Discharging

① Plug StoreSafe into the XT60 connector of the battery. The connector is keyed – observe the correct orientation and never force it.

② After the battery is connected, the status LED of the discharger **flashes for about 5 seconds**, then the discharger enters the discharging state. The cell count is detected automatically.

③ Leave the discharger connected. The discharge rate is controlled automatically according to the battery voltage and the unit temperature; the heatsink warms up during discharging.

④ As soon as the battery reaches storage voltage, the discharger stops discharging by itself.

If the status LED does not indicate correctly after the battery is connected, disconnect the battery immediately.

※ The discharge power is 1 W, so discharging is gradual. The discharge time depends on the battery capacity, cell count and initial voltage; for higher-capacity batteries it can take several hours.

2.3 After discharging

- After discharging ends, the discharger draws less than 10 µA from the battery, so according to the manufacturer you can leave it connected for a longer time.
- You can check the cell voltages with a checker before storage. During long-term storage, check the battery voltage from time to time.
- StoreSafe discharges the battery as a whole through the main connector and **does not balance the individual cells**. Correct differences between cells by balance charging or with the *Storage* mode of a charger.
- Always **fully charge** the battery before the next use (LiPo 4.20 V per cell).

3. Safety instructions

- The discharger is intended **exclusively for LiPo 2S–6S batteries**. Do not connect other battery types (Li-ion, LiFePO4, NiMH, etc.) or other voltage sources such as a charger or a power supply.
- One discharger always discharges only one battery.
- LiPo batteries can catch fire if damaged or mishandled. Discharge them on a non-flammable surface or in a safety bag, away from flammable materials, and check the place regularly.
- Do not discharge swollen, deformed, punctured or otherwise damaged batteries. Retire such a battery and hand it over for disposal.
- The heatsink warms up during discharging. Do not cover it and do not place the discharger on heat-sensitive surfaces.
- Protect the discharger from water, moisture, dust and conductive objects – there is a risk of a short circuit on the connector contacts and on the circuit board.
- In case of unusual heating, smell, smoke or damage, disconnect the discharger immediately and stop using it.

- Do not disassemble or modify the discharger. Damage caused by improper intervention is not a product defect.
- This product is not a toy. Keep it and the batteries out of the reach of children and animals.

4. Troubleshooting

Problem	Possible cause and solution
The status LED does not flash after connection or indicates differently than usual	**Disconnect** the battery **immediately**. Check the XT60 connector and the battery voltage (LiPo 2S–6S, each cell above 3.95 V). If the problem persists, contact the retailer.
The battery does not discharge	The cell voltage is probably already at storage level or does not meet the 3.95 V per cell condition – no discharging is needed. Check the voltage with a checker.
The heatsink is warm	This is normal during discharging; the temperature is monitored by the built-in sensor and the discharge rate is adjusted accordingly. If the unit is excessively hot or you notice a smell, disconnect it.
Cells have different voltages after discharging	The discharger does not balance the individual cells. Balance the battery by balance charging or with the *Storage* mode of a charger. Retire a battery with a permanently large cell imbalance.

5. Information for the EU and Czech Market

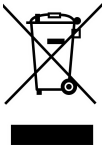
The information in Chapters 5 and 6 describes the situation under the law of the Czech Republic, where we sell the product. However, the law of the country in which the product is used is decisive: if you use or dispose of the product in another country, follow the regulations of that country.

5.1 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.com

5.2 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 importer's contact details 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.