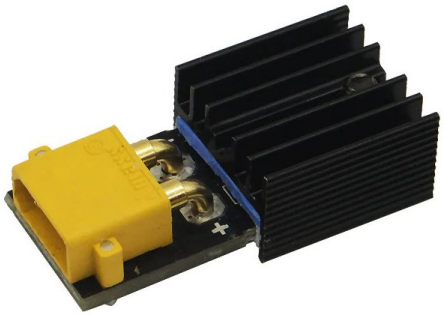
StoreSafe XT30

VIFLY – LiPo battery storage discharger
User manual



Read this entire manual carefully before first use and keep it for future reference.

Rotorama, s.r.o. · www.rotorama.com

Contents

1. Product description

1.1 What it is for

1.2 Specifications and package contents

2. Safety instructions

3. Use

3.1 Discharging a battery to storage voltage

3.2 After discharging

4. Information for the EU and Czech Market

4.1 Importer and responsible person in the EU

4.2 Disposal of electrical equipment

5. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

The VIFLY StoreSafe XT30 is a small discharger that automatically brings a LiPo battery with an XT30 connector down to storage voltage. Batteries kept fully charged for a long time age faster and lose capacity and performance. If you are not going to use a battery for a few days after flying, simply plug the StoreSafe into it and let it do its job.

The discharger detects the cell count (2S to 6S) by itself, so there is nothing to set. The discharge rate is adjusted according to the battery voltage and the temperature of the discharger, which is monitored by a built-in temperature sensor; a passive heatsink dissipates the heat. Once storage voltage is reached, the discharger stops discharging and switches to an ultra-low current mode, so it can be left connected to the battery for a long time without the risk of over-discharging it.



StoreSafe XT30 plugged into the XT30 connector of a battery

1.2 Specifications and package contents

Parameter	Value
Product designation	VIFLY StoreSafe XT30
Supported batteries	LiPo 2S–6S (automatic detection)
Working voltage	7.9–26 V
Discharging power	1 W
Storage voltage	3.85 V ± 0.08 V per cell
Turn-off current	< 10 µA
Connector	XT30
Weight	5 g
Size (L × W × H)	32 × 15 × 10 mm
Package contents	1× StoreSafe XT30 discharger
Not included	battery, charger, adapters, voltage checker
Manufacturer	VIFLY – HONG KONG STAR ARK SMART NET TECHNOLOGY LIMITED, Unit 98 of Factory A 1/F, Union Hing Yip Factory Building, No. 20 Hing Yip Street, Kwun Tong, Hong Kong; support@viflydrone.com

2. Safety instructions

- The discharger is intended **only for 2S–6S LiPo (LiHV) batteries with an XT30 connector**. Do not connect other cell types (NiMH, Li-ion, LiFePO4) or other voltage sources.
- The voltage of the connected battery must not exceed **26 V**. A fully charged 6S LiHV battery (6 × 4.35 V = 26.1 V) exceeds this value – do not connect such a battery.
- The energy from the battery is converted into heat in the discharger. **The heatsink gets hot** – do not touch or cover it during discharging and do not place the battery with the discharger in an enclosed space without air circulation.
- Place the battery with the discharger connected on a **non-flammable surface** or in a LiPo safety bag, away from flammable objects, out of direct sunlight and out of the reach of children and animals.
- Do not use the discharger with a battery that is swollen, mechanically damaged, overheated or has damaged leads or connector.
- Connect only to an undamaged connector and observe the correct orientation. Never force the connector in.
- Protect the discharger from moisture, water, dust and conductive objects (screws, metal shavings) that could short-circuit the board.
- Do not modify or disassemble the discharger. If it is damaged, stop using it.

❉ The discharger connects only to the main battery connector and does not balance the cells. During longer storage, check the voltage of the individual cells with a charger or a voltage checker.

3. Use

3.1 Discharging a battery to storage voltage

① Check the battery – it must not be swollen or damaged. Make sure it is a 2S–6S LiPo battery and that its voltage does not exceed 26 V.

② Place the battery on a non-flammable surface or in a LiPo safety bag.

③ Plug the StoreSafe XT30 into the XT30 connector of the battery. The discharger detects the cell count by itself and starts discharging; nothing else needs to be set.

④ Leave the discharger connected. The discharge rate automatically adapts to the battery voltage and the temperature of the discharger. As the discharging power is 1 W, discharging larger batteries can take many hours.

⑤ When storage voltage (3.85 V ± 0.08 V per cell) is reached, the discharger stops discharging by itself and its current draw drops below 10 µA.

Battery	Storage voltage (3.85 V/cell)	Fully charged LiPo (4.20 V/cell)
2S	7.7 V	8.4 V
3S	11.55 V	12.6 V
4S	15.4 V	16.8 V
5S	19.25 V	21.0 V
6S	23.1 V	25.2 V

Nominal storage voltages; the actual voltage after discharging may differ within a tolerance of ± 0.08 V per cell.

3.2 After discharging

- The discharger can be left connected to the battery after discharging has finished. If you store the battery for longer, we recommend disconnecting it and checking the voltage from time to time.
- The StoreSafe only discharges the battery, it **does not charge** it. If the battery is below storage voltage, charge it with a charger in *Storage* mode.
- Store batteries in a LiPo safety bag, in a dry place, at room temperature and away from flammable objects.
- Before your next flight, fully charge the battery with a balance charger.
- Keep the discharger clean and dry. Clean the heatsink only with a dry brush or compressed air.

4. Information for the EU and Czech Market

4.1 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

4.2 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.

5. 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 4.1.
- 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.