iMars S10

Gens Ace – Li-Po 2–3S battery charger, 10 W
User manual



Before first use, read the entire manual, especially the safety instructions in chapter 1. Keep this manual for future reference.

Importer: Rotorama, s.r.o. · www.rotorama.cz

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1. Safety Notice

When using this product for the first time, please read the following safety instructions and operate strictly according to this manual to ensure safety. Improper operation may cause serious injury to the user.

1.1 General instructions

- Do not use the charger unattended. If there is any abnormality, cut off the power immediately.
- Use only a CE-marked USB power adapter that meets the requirements given in chapter 3.
- Keep the charger away from humidity and heat sources. Ensure good ventilation and heat dissipation and keep it away from flammable items.
- Make sure the battery type is correct – the wrong choice may lead to an accident (for supported types see chapter 3).
- Before use, check whether the equipment is damaged. Damaged equipment must not be used.
- Do not insert metal objects into the ports – this may damage the equipment or injure the user.
- This product is not a toy. It is intended for persons aged 14 and over and must not be used by children alone.
- After use, disconnect the input power as soon as possible and remove the battery.
- Do not try to charge non-rechargeable dry batteries.
- Do not disassemble the device. If it is damaged and needs repair, contact the manufacturer.

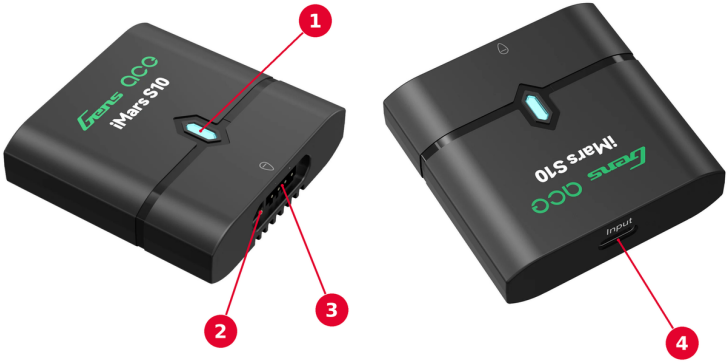
1.2 Rules for charging Li-Po batteries

- Charge on a non-flammable surface, preferably in a fireproof bag or box, out of the reach of children and animals.
- Do not charge a battery that is mechanically damaged, swollen, or has damaged leads or connector.
- Let a battery that is hot after use cool down to ambient temperature before charging.
- A fully charged Li-Po cell has a voltage of **4.20 V** – i.e. 8.4 V for a 2S battery and 12.6 V for a 3S battery.
- For longer storage, keep the battery at approximately **3.8 V/cell** (2S: 7.6 V, 3S: 11.4 V). Fully charge it only before use.
- If the battery becomes excessively hot, swells or smells during charging, disconnect the power immediately and move the battery to a safe place.

2. Product Overview

The Gens Ace iMars S10 is a smart charger designed for Gens Ace G-Tech smart batteries that is also compatible with non-smart Li-Po 2–3S batteries. It is powered via a USB-C port and charges the battery via its balance connector.

2.1 Charger description



Front view (left) and rear view (right)

① **Charge indicator** – shows the status of the charger and of charging (see chapter 5).

② **Smart battery detection** – contact next to the balance port for recognizing a G-Tech smart battery.

③ **Balance port** – battery connection (charger output).

④ **USB-C input** – power adapter connection (marked *Input*).

2.2 Package contents



- Gens Ace iMars S10 charger
- USB-A – USB-C cable
- user manual

※ The power adapter is not included.

2.3 Manufacturer

Manufacturer contact details as given in the original manual:

China	tel.: 0755-88376378 web: www.grepow.com e-mail: info@gensace.com
Germany	Genspow GmbH, Ottostraße 11, 41352 Korschenbroich tel.: +49 (0)211 93670190, e-mail: info@genspow.de web: www.gensace.de
USA	290 Lindbergh Ave, Livermore, CA 94551, United States tel.: +1 (925) 364-7166, e-mail: info@genstattu.com web: www.genstattu.com

Made in China. The EU importer is listed in chapter 8.1.

3. Product Parameters

Parameter	Value
Max. charge power	10 W
Charge current	max. 0.8 A
Input voltage	5 V
Max. input current	2 A (DC)
Output voltage	5–13.05 V
Balance current	max. 80 mA
Input port	USB-C; BC1.2 / SDP / CDP / DCP / Apple 5 V/2.4 A (unavailable with a 5 V/1 A power supply adapter)
Supported battery types	Li-Po 2–3S, Gens Ace G-Tech smart batteries
Abnormal battery voltage alarm	yes
Output reverse connection protection and alarm	yes
Balance port reverse connection protection and alarm	yes
Working temperature	0 °C to 45 °C
Storage temperature	−20 °C to 60 °C
Dimensions	51 × 51 × 14 mm
Net weight	approx. 30 g

※ The power adapter must support at least one of the listed protocols and supply 5 V at up to 2 A. The charger does not work with a 5 V/1 A adapter.

4. Instructions

4.1 How it works

When the charger is connected to a Gens Ace G-Tech smart battery, it automatically recognizes the battery type, battery voltage and the charging current recommended by the battery manufacturer, and then charges according to the preset parameters.

When the charger is connected to a non-smart battery, **only Li-Po (4.20 V/cell) batteries in 2S or 3S configuration** are supported for charging. Do not charge other cell types with this charger.

4.2 Charging procedure

① **Connect the charger to the power supply** via the USB-C input. The green light blinks 3 times and then goes out, indicating that the charger is normally energized.

② **G-Tech smart battery:** connect the battery to the charger. After the charger recognizes the battery information, the red and green lights flash twice at the same time (G-Tech smart battery recognized), and then the light turns to blinking red – charging has started.

③ **Non-G-Tech Li-Po battery:** insert the balance connector of the battery into the output port of the charger. After the charger recognizes the battery, the red light blinks – charging has started.

④ **End of charging:** when the indicator light changes from red to solid green, charging is completed. Disconnect the battery and the power supply.

※ It is normal for the charger to generate some heat during the charging process.

5. Indicator Description

Working status	Indicator
Connected to power	green flashes three times
Charging with G-Tech smart battery	red light blinks after two simultaneous red and green flashes
Charging with non-G-Tech Li-Po battery	red flashing
Full charge	solid green
Error warning	solid red

Notes:

① Error warnings include a cell voltage difference exceeding 350 mV, a battery voltage below 2.5 V, and poor battery contact.

② The charger supports charging of G-Tech and non-G-Tech batteries; non-G-Tech batteries are supported only as Li-Po 2–3S (4.20 V/cell).

③ It is normal for the charger to generate some heat during charging.

6. Troubleshooting

Symptom	Solution
The LED turns solid red when the connector is inserted	Double-check the battery connection and ensure proper polarity. Also check the condition of the battery (see note ① in chapter 5).
Any other abnormality or malfunction	Disconnect the charger from the power source immediately.
The charger does not respond after connecting the power	Check that the adapter supplies 5 V/2 A and supports one of the protocols listed in chapter 3.

7. Maintenance

- Keep the charger clean and dust-free.
- Store the charger in a cool, dry place when not in use (storage temperature −20 °C to 60 °C).

8. Information for the EU and Czech Market

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 (iMars S10) is given on the top of the charger and the serial number on the label on its bottom side.

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

9.1 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 9.2) **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 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.

9.2 Manufacturer's warranty terms

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

Thank you for purchasing a Gens Ace charger. Gens Ace will do its best to provide you with perfect after-sales service and fully protect your rights. If the product fails, please get in touch with the Gens Ace after-sales staff.

① The expiration date of the warranty after the product fails is subject to the delivery date to the Gens Ace after-sales service center.

② Within one year from the date of purchase, all warranty repairs of defects due to the quality of the product itself are free. If the customer cannot provide a valid purchase certificate, the internal production date code shall prevail.

③ If the period exceeds one year from the date of purchase, limited warranty service will be provided.

④ If the quality problem complained of by the customer is inconsistent with the facts after inspection, or the product is qualified after inspection, the customer will bear the transportation cost.

⑤ When you send the product for warranty service, please be sure to leave your contact information so that you can be notified in time after we receive it.

Product damage caused by the following reasons is not covered by the manufacturer's warranty:

① damage caused by not connecting to the power supply with the correct voltage as required,

② damage caused by improper use not in accordance with the instructions,

③ all product damage caused by user error, accidental impact or other force majeure,

④ modification, disassembly, or modification of the internal circuit of this product without the approval of the company,

⑤ damage caused by water immersion, moisture, or other foreign objects entering the product,

⑥ aging, bumps, and scratches on the surface of the product.

Please pay attention to correct use: the user shall be responsible for any consequences caused by the wrong operation. Gens Ace is not responsible for expenses beyond the cost of the product and reserves the right to modify this clause; if there is any modification, there will be no prior notice.