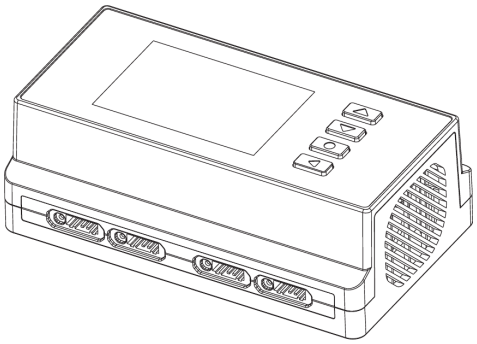
TATTU TA300

Eight-channel smart Li-Po / LiHV 2–4S charger
User manual



Read this entire manual carefully before first use, especially the safety tips. Keep the manual for future reference.

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

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1. Safety Tips

To ensure your safety and a good user experience, please read this instruction carefully before using the TATTU TA300 charger and adhere to the precautions mentioned.

- Please keep the charger connectors clean and avoid contact with metal objects.
- If there is liquid or foreign matter on the charging port, please wipe it clean in time and keep it clean. Otherwise, it will cause poor contact, resulting in a short circuit or failure to charge the battery.
- Before daily use, you should regularly check the charging port, plug and other components. Do not use alcohol or other flammable agents to clean the charging device.
- Please use the power-matching plugs, sockets and power supply lines. Exceeding the rated power of the device may cause the device to catch fire or burn.
- If an abnormality or warning occurs during the charging process of the charger, the power should be cut off immediately, and the product should be tested and confirmed to be functioning normally before continued use.
- To ensure the safety of charging, the distance between the battery and the charger and between batteries should be kept at 30 cm or more during charging to avoid serious consequences such as charger or battery failure due to concentrated heat during charging, or even fire.
- The charger should be charged on a flat, cool and flat ground. It is strictly prohibited to charge in a closed, high temperature or bumpy state.
- The charger should be disconnected from the battery after use, and the charger and battery should be placed in a safe, clean and cool place.
- Please keep the charger away from heat sources when it is idle or working.
- It is prohibited to leave the charger outdoors to be exposed to the sun or rain.
- Do not use AC power beyond the rated voltage range. Keep away from flammable and explosive items and ensure that someone is on duty during the charging process.
- The user shall bear the corresponding responsibility for the consequences caused by modifying or disassembling the charger without permission.
- Do not place heavy objects or pile up debris on the charger, and do not sit on the charger.
- Do not use damaged charging equipment. If repair or replacement is required, please contact your dealer or the TATTU after-sales service center in time.

1.1 General rules for Li-Po and LiHV batteries

- Never charge a battery that is swollen, mechanically damaged, overheated or has damaged leads or connectors.
- Charge on a non-flammable surface, ideally in a fireproof bag or box, and keep a suitable extinguishing agent at hand.
- Always connect the battery's balance connector so that the charger can monitor the voltage of each cell.
- The product may only be used by persons aged 14 and over.

2. Product Overview

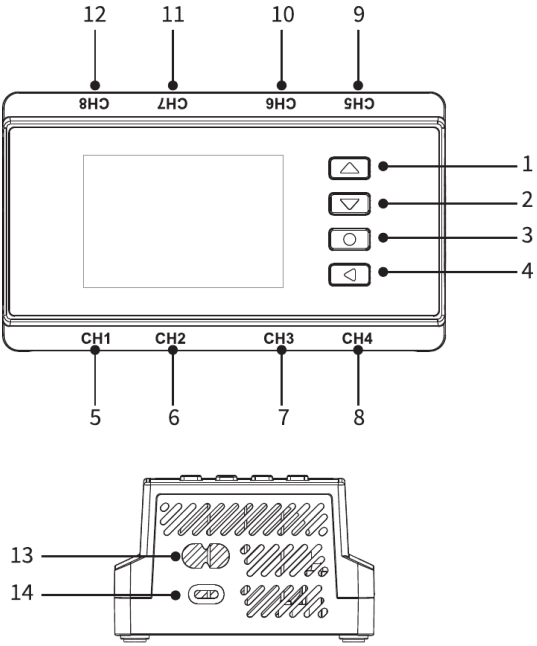
2.1 Overview

The TA300 smart charger is an intelligent charging device with eight independent channels, supporting both charging and storage modes. When connected to G-Tech smart batteries, the charger can automatically recognize battery information without manual parameter settings. During charging, the charger monitors the battery status in real time and automatically stops charging when the battery is full. The TA300 charger also features multiple protection functions such as over-temperature, over-current, over-voltage and disconnection protection to ensure charging safety.

2.2 Parameters

Parameter	Value
Model name	TA300
Input voltage	AC 100–240 V, 50/60 Hz
Output voltage	max. 17.4 V
Charging current	max. 2 A
Charging power	30 W per channel × 8
USB output power	max. 60 W
Operating mode	Charge, Storage
Battery type	LiPo / LiHV (2–4S), supports G-Tech plug
Operating temperature	0–45 °C
Storage temperature	−20 °C to 60 °C
Dimensions	161.3 × 95 × 58.7 mm
Weight	approx. 550 g

2.3 Structure



Top view (above) and rear view (below)

No.	Function	No.	Function
1	Up key (△)	2	Down key (▽)
3	Enter/Setting key (○)	4	Back key (◁)
5	Channel CH1	6	Channel CH2
7	Channel CH3	8	Channel CH4
9	Channel CH5	10	Channel CH6
11	Channel CH7	12	Channel CH8
13	AC input	14	USB output / USB upgrade (USB-C)

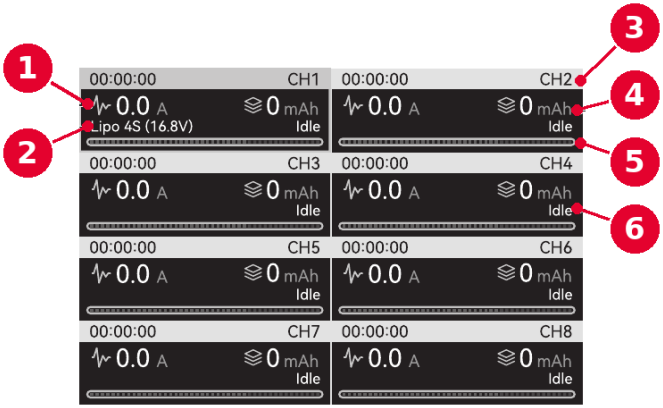
2.4 Manufacturer

Manufacturer	TATTU (Grepow), China
Phone	+86 755 88376378
Web	www.tattuworld.cn · www.grepow.com
E-mail	info@tattuworld.cn · info@grepow.cn

3. Interface Introduction

3.1 Main interface

The TA300 eight-channel smart charger will display the product logo for about 2 seconds after connecting to the power supply, and then enter the eight-channel display interface. On the main interface, briefly press the **Up** or **Down** key to switch between different channel information.

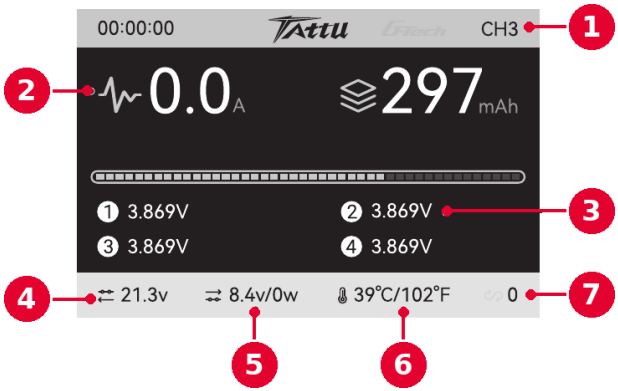


Main interface – eight-channel display

①	Output current	④	Completed capacity
②	Battery type, cell count / battery voltage	⑤	Progress
③	Current channel	⑥	Current status

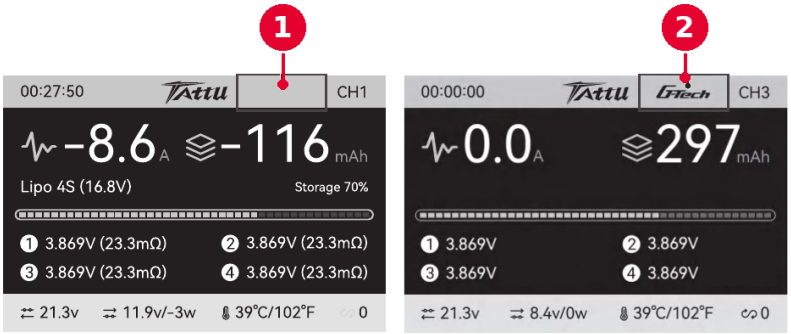
3.2 Single-channel display

Briefly press the **Enter/Setting** key to enter the single-channel display interface. In this interface, briefly press the **Up** or **Down** key to switch between different interfaces to view real-time cell voltage, output voltage/power and other information. When connected to a G-Tech smart battery, the charger will automatically recognize and display detailed battery information.



Single-channel display

①	Current channel	⑤	Output voltage / power
②	Output current	⑥	Charger internal temperature
③	Single cell voltage	⑦	Total charging cycles
④	Input voltage		



Single-channel display when connected to different batteries

① Non-smart battery: no display in this field.

② Connected to a G-Tech smart battery: the G-Tech icon is displayed.

4. How to Use

4.1 Operation steps

① **Connect the power supply:** Connect the 100–240 V AC power cord to the AC power input port of the TA300 charger. The charger screen will display the startup interface.

② **Startup process:** After powering on, the charger will perform an internal self-check for about 5 seconds, then automatically switch to the main interface, ready for charging operations.

4.2 Charging G-Tech smart batteries

- **Automatic recognition:** When connecting a G-Tech smart battery, the charger will automatically obtain the battery's parameter information.
- **Smart charging:** After connecting a G-Tech smart battery, the charger will automatically start the smart charging mode after a 4-second countdown. In this mode, you can view detailed data such as battery voltage, smart battery information, output voltage and power.

4.3 Charging non-G-Tech smart batteries

When connecting a non-G-Tech smart battery, you need to manually set the charging parameters:

① In the channel interface, briefly press the **Enter/Setting** key to enter the function setup interface (chapter 5.1).

② Select the appropriate working mode, battery type, termination voltage and current according to the battery's specific parameters.

③ After completing the setup, select and start the charging task.

▶ Reference values for Li-Po and LiHV batteries

Always set the termination voltage according to the battery type and the data of its manufacturer. For common batteries:

Configuration	Li-Po – fully charged	LiHV – fully charged	Storage
1 cell	4.20 V	4.35 V	3.80 V
2S	8.40 V	8.70 V	7.60 V
3S	12.60 V	13.05 V	11.40 V
4S	16.80 V	17.40 V	15.20 V

Select the charging current according to the battery manufacturer's data; do not exceed the recommended charging current (usually 1C). The TA300 charges at max. 2 A.

5. Settings

5.1 Function setting

On the main interface, briefly press the **Enter/Setting** key to enter the single-channel display interface. Then briefly press the **Enter/Setting** key again to enter the function setup interface. Below is the function setup list:

Function	Description
Function Selection	Charging, Storage
Battery Selection	LiPo, LiHV
Battery Voltage	set the working completion voltage
Battery Cells	set the number of battery cells
Target Current	set the maximum working current
Channel Selection	8 channels available
Start Task	start the task after setting the parameters

⚠ Warning: Before starting the charging process, be sure to check the charging parameters. Charging with incorrect settings may cause property damage or fire. If you notice any abnormalities (such as battery swelling) during the charging process, be sure to stop charging or disconnect the charger's power supply.

5.2 Device settings

On the main interface, long press the **Enter/Setting** key to enter the device settings interface. Below is the device settings list:

Option	Function
Device Parameters	language, volume, end sound, parameter reset; task timer, capacity limit
Calibration	manual calibration of CH1–CH8 channel balance port voltages
Device Self-check	do not connect batteries during device self-check
About Device	view device information (hardware version, software version, MAC number)
Return	return to the main interface

6. Calibration Functions

Due to the precision variance in electronic components, the cell voltage readings of the charger may have slight discrepancies. To ensure accurate readings, you can verify them using a high-precision multimeter; if they differ, adjust them manually using the channel calibration function in the device settings.

Instructions: If you notice a difference between the voltage readings of the multimeter and the charger, you can manually calibrate the charger's voltage by following these steps. For more accurate calibration, it is recommended to charge the battery to an individual cell voltage above 4.1 V before measuring and comparing.

① Connect a battery with a cell voltage above 4.1 V to the charger's balance port.

② On the main interface, press and hold the **Enter/Setting** key to access the device settings and select the channel calibration option (*Calibration*).

③ A random code will appear. Use the keys to enter the random code to confirm the operation.

④ Enter the corresponding voltage values in the calibration interface based on the multimeter's readings.

After completing these steps, the charger will automatically calibrate the voltage according to the values you entered, ensuring more precise charge management.

7. Firmware Upgrade

※ The upgrade software (Windows 7/10 only) is available from your dealer or on the TA300 product page of the manufacturer's website www.grepow.com.

① **Enter upgrade mode:** Press and hold the **Back** key on the charger, then connect the device via USB to a computer. Power on the charger while continuing to hold the **Back** key until the charger emits a continuous “beep, beep, beep” sound. Release the key afterwards.

② **Start the upgrade program:** On the computer, double-click to open the upgrade software. In the software interface, left-click the *Upgrade* button to start the firmware upgrade. During the upgrade, the charger screen may turn black until the upgrade is complete.

▶ Notes

- **Maintain a stable connection:** Do not unplug the USB cable or disconnect the power during the upgrade process to avoid upgrade failure.
- **Upgrade failure handling:** If the power is cut off or the USB is unplugged, the upgrade may fail and the original firmware may be erased. Repeat the steps above.
- **Driver installation:** The computer needs the necessary USB drivers; automatic installation may require an internet connection. If the upgrade fails and the device cannot start, contact your dealer or TATTU after-sales technical support.

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 (TA300) and the serial number are given on the rating label of the device; the hardware and software versions can be found in *Device Settings → About Device*.

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 our charger. TATTU will do its best to provide you with comprehensive after-sales service and fully protect your rights. If your product malfunctions, please contact TATTU after-sales personnel.

1. The warranty deadline for product malfunctions is based on the date the product is delivered to the TATTU after-sales service center.
2. Within one year from the date of purchase, all warranties are free for quality issues of the product itself. If the customer cannot provide a valid purchase receipt, the internal date code will be used as the basis.
3. After one year from the date of purchase, cost fees will be charged as appropriate, and the user will need to bear the round-trip shipping costs.
4. When sending the product for repair, please be sure to leave your contact information so that we can notify you promptly after the repair.

The following reasons for product damage are not covered by the warranty:

1. Damage caused by not connecting to the correct voltage.
2. Damage caused by not using the product correctly according to the manual.
3. Any damage caused by human error, accidental impact or other force majeure.
4. Unauthorized modification, disassembly or alteration of the product's internal circuit without the company's approval.
5. Damage caused by water immersion, moisture or other foreign objects entering the product.
6. Aging, scratches and dents on the product's surface shell.

Please use the product correctly: Users are responsible for any consequences caused by incorrect operation. The company is not responsible for any costs beyond the product's cost and reserves the right to modify this clause. Any modifications will not be notified separately.