Drone Battery & Charger
Integration Solution Provider

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Technology Support

Social Media

Drone Battery&Charger
Integration Solution Provider

Drone Soccer Product Manual

2025

Shenzhen Grepow Battery Co.,Ltd.

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About Grepow

Shenzhen Grepow Battery Co., Ltd.(Abbr. Grepow) is a 27 years old battery and charging solution developer and manufacturer with headquarter in China and subsidiaries in USA and in Germany respectively. Grepow focuses on providing high performance NIMH battery and high discharge rate Lipo battery initially. With the changeable market requirements and products expansion, Grepow has constantly dedicated in developing battery-related products and gradually pulling smart batteries, shaped batteries, intelligent chargers, versatile Jumpstarters into product lineup. Grepow also has created own brands of Tattu for Drone batteries and chargers, Gens ace for RC hobby products and Lokithor for jump starters. Besides of self-created brands, another strong capability of Grepow is the innovation and integration of products, which enables Grepow to provide unique ODM and OEM service.

About Tattu

With the years technical support and industry experience of Grepow, Grepow innovatively created Tattu to provide professional batteries and chargers for drone industry. Tattu is committed to providing both professional users and enthusiasts of drones with a more efficient and safer flying experience, therefore Tattu has not only concentrated on upgrading more Tattu soft packs with newly developed Semi-solid State High Energy Density and Ultra High Voltage Cell formula for more industrial drone/UAV applications, but also has invested more in developing BMS and structural design to successfully iterate Tattu Smart batteries from Tattu plus 6S1P batteries to latest Tattu 24S1P Smart batteries. The over years experience accumulation on the development of smart BMS also helps Tattu to release smart chargers and eventually drive Tattu to be a integrated batteries&chargers innovator and provider.

1998
Founded

200,000m²
Production Area

2000+
Employees

200+
R&D Engineers

3+3
3 Production Bases
3 International Sales & Marketing Offices

Website

Battery Model Table

Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-C 100	1	250mAh-110C-1S1P-3.8V-0.95Wh-molex	32*20*7.8	7
Battery type for F9A-B 200	2	400mAh-30C-2S-7.4V-2.96Wh-JST-XHR	44*19*13	18
	3	500mAh-10C-2S1P-7.6V-3.8Wh-JST-XHR	52*24*10	22
	4	630mAh-25C-2S1P-7.6V-4.78Wh-JST-XHR	53*25*11	26
	5	870mAh-150C-4S1P-14.8V-12.876Wh-XT30	64*28.5*32.5	95
	6	950mAh-150C-4S1P-14.8V-14.06Wh-XT30	64*28.5*35	103
	7	1000mAh-120C-4S1P-14.8V-14.8Wh-XT30	64*28.5*32.5	94
	8	1050mAh-150C-4S1P-14.8V-15.54Wh-XT30	63*27.5*37	108
	9	1100mAh-60C-3S1P-11.4V-12.54Wh-XT30	59*27*23	65
	10	1100mAh-110C-4S1P-14.8V-16.28Wh-XT30	64*28*32	92
	11	1100mAh-120C-4S1P-14.8V-16.28Wh-XT30	64*28.5*35	101
	12	1180mAh-150C-4S1P-14.8V-17.464Wh-XT30	63*27.5*41	116
	13	1300mAh-110C-4S1P-14.8V-19.24Wh-XT30	63*27.5*42	108
	14	1300mAh-120C-4S1P-14.8V-19.24Wh-XT30	63*27.5*37	110
Battery type for F9A-A 400	15	1800mAh-150C-6S1P-22.2V-26.64Wh-XT60	70*37*55	280
	16	2000mAh-150C-6S1P-22.2V-29.6Wh-XT60	95*45*44	315
	17	2100mAh-150C-6S1P-22.2V-31.08Wh-XT60	110*35*42.5	305
	18	2800mAh-120C-6S1P-22.2V-41.44Wh-XT60	110*35*52.5	389
	19	3000mAh-120C-6S1P-22.2V-44.4Wh-XT60	110*35*56	398
	20	3000mAh-120C-4S1P-15.2V-45.6Wh-XT60	105*34*37	268

PRODUCT CENTER

G-TECH ECO

Brand New G-Tech Technology

A Built-in Smart Chip

A built-in smart chip in the balance connector enables intelligent interconnection and communication between the G-Tech battery and smart charger.

B Plug and Play

G-Tech eco supports plug-and-play between G-Tech charger and G-Tech battery, maximizing the user's experience with great convenience. Once the charger and battery are connected, charging will automatically start as soon as the charger countdown ends.

C Smart Charging

Once the G-Tech charger and G-Tech battery are connected, battery parameters will be automatically recognized and configured. All information such as battery cylces, individual cell voltage and capacity, etc. will be displayed on charger. The charger will optimize the charging parameters to promote safe and long battery cycle life.

Drone Soccer Battery

F9A-C 100

Power That Never Drops
Unshaken Stability for Every F9A-C Match

01

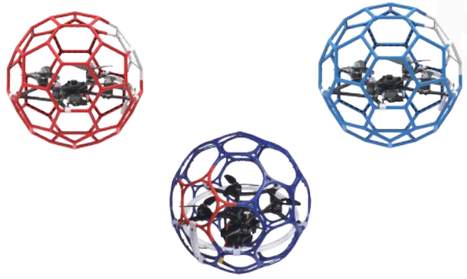
Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-C 100	1	250mAh-110C-1S1P-3.8V-0.95Wh-molex	32*20*7.8	7

Drone Soccer Defense-Optimized Battery

F9A-B 200

Max Power
Mini Weight – Fits Every Flight

02



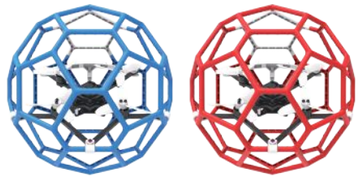
Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-B 200	1	400mAh-30C-2S-7.4V-2.96Wh-JST-XHR	44*19*13	18
Battery type for F9A-B 200	2	500mAh-10C-2S1P-7.6V-3.8Wh-JST-XHR	52*24*10	22
Battery type for F9A-B 200	3	1100mAh-60C-3S1P-11.4V-12.54Wh-XT30	59*27*23	65

Drone Soccer
Offense-Optimized Battery

F9A-B 200

Power
unleashed Control at will

03



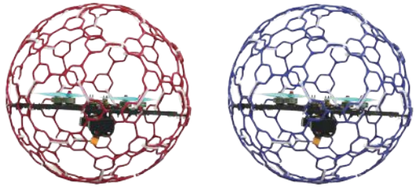
Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-B 200	1	1050mAh-150C-4S1P-14.8V-15.54Wh-XT30	63*27.5*37	108
Battery type for F9A-B 200	2	1100mAh-110C-4S1P-14.8V-16.28Wh-XT30	64*28*32	92
Battery type for F9A-B 200	3	1300mAh-120C-4S1P-14.8V-19.24Wh-XT30	63*27.5*37	110

Drone Soccer
Defense-Optimized Battery

F9A-B 400

Instant response
Pinpoint victory

04



Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-A 400	1	1800mAh-150C-6S1P-22.2V-26.64Wh-XT60	70*37*55	280
Battery type for F9A-A 400	2	2100mAh-150C-6S1P-22.2V-31.08Wh-XT60	110*35*42.5	305

Drone Soccer Offense-Optimized Battery

F9A-B 400

Marathon
range Nonstop flight

05

Battery Type	No.	Battery Model	Dimension(±2mm)	Weight/g(±6g)
Battery type for F9A-A 400	1	2800mAh-120C-6S1P-22.2V-41.44Wh-XT60	110*35*52.5	389
Battery type for F9A-A 400	2	3000mAh-120C-4S1P-15.2V-45.6Wh-XT60	105*34*37	268

iMars Mini

60W Smart Charger

Drone Soccer Charger Pick
Power Up in Minutes

F9A-C100

iMars Mini is a compact smart charger designed for G-Tech batteries, also compatible with non G-tech ones. It auto-detects battery type, voltage and recommended current for G-Tech packs; for others, users set type and mode manually. During charge it continuously adjusts current to maximize efficiency and safe.

- A G-Tech Auto-Recognitio
- B Smart Current Regulation
- C Compact & Portable
- D Memory Function

Specifications

Max. Charge Power	60W	Balance Current	0.4A/Cell X 2
Input Voltage	DC 5-20V	Supported Battery Types	LiPo/LiHV/LiFe(2~4S) ; NiMH(2~12S)
Max. Input Current	DC 3A	Dimensions	85*55*21mm
Charge Current	1-5A(Auto-Regulated)	Weight	64g

TA300

300 W 8-Channel 2-4 S Smart Charger

Drone Soccer Charger Pick
Power Up in Minutes

F9A-B 200

This product automatically recognizes TATTU smart batteries for true plug-and-play use, eliminating manual parameter setup. During charging it monitors battery status in real time and stops automatically at full charge to ensure safety. A 2.4-inch IPS screen clearly displays voltage, current, capacity and charge progress, while multi-language support makes operation easier. The intelligent charging management system balances safety protection and high-efficiency output, delivering a reliable charging solution for professional users.

- A 8-Channel Simultaneous Charging
- B G-Tech Auto-Recognition
- C Intelligent Power Distribution
- D 300 W Total Output

Specifications

Input Voltage	AC 100V-240V	Cell Count Range	2-4S
Total Output Power	300W	Functions	Charge / Storage
Charging Power	30W Per Channel × 8	Dimensions	161.3*95*58.7mm
Max. Charge Current	2A	Weight	550g
Supported Battery Types	LiPo/LiHV/LiFe/Li-Ion		

iMars D300PLUS

300W Dual-Channel Charger

Drone Soccer Charger Pick — Power Up in Minutes

F9A-B 200
F9A-A 400

iMars D300 is the first multifunctional smart charger that adopts G-Tech technology while remaining compatible with non G-tech batteries. When a G-Tech battery is connected, it automatically identifies battery type, voltage and other parameters for true plug-and-play precision. For non G-tech batteries, users can easily set the charging mode through an intuitive interface. With dual-channel AC/DC intelligent balance charging and multiple operation modes, it ensures high efficiency and safety throughout the charging process.

- A G-Tech Auto-Recognition
- B Plug-and-Play
- C Real-Time Data Display
- D Universal Compatibility
- E Gens Ace App Connectivity

Specifications

Max. Charge Power	AC 300W ; DC 2 X 350W	**Balance Current**	1.2A/Cell X 2
Input Voltage	AC 100-240V ; DC 1-30V	**Supported Battery Types**	LiPo/LiHV/LiFe/Li-Ion (1-6S) ; NiMH/Cd (1-16S)
Max. Input Current	DC 34A	**Dimensions**	145*76*62mm
Charge Current	0.1-16A X 2	**Weight**	530g

TA500

500W 6-Channel 2-4S Smart Charger

Drone Soccer Charger Pick — Power Up in Minutes

F9A-B 200

TA500 Smart Charger is built for 200mm drone-soccers, powering six batteries at once. G-tech auto-detects voltage and current, so no screen or setup is needed, just plug-and-play. One button switches between fast mode for match day and slow mode for daily training, giving pilots the right charge every time.

- A 6-Channel Charging
- B G-Tech Auto-Recognition
- C Plug-and-Play
- D Ultra-Simple Operation
- E Fast & Slow Charge Support

Specifications

Input Voltage	AC 100-240V	**Output Channels**	6
Supported Battery Type	LiHV/Lipo ; 2-4S	**Output Connectors**	XT30
Charge Current	5A	**Operating Temperature**	0-45℃
Charge Power	AC 500W	**Dimensions**	170*120*89mm
Discharge Power	5W	**Weight**	To be determined

TA500Q

500W 4-Channel 2-6S Smart Charger

Drone Soccer Charger Pick

Power Up in Minutes

F9A-A 400

TA500Q Smart Charger is built for 400mm drone-soccers, powering four batteries at once. G-tech auto-detects voltage and current, so no screen or setup is needed,just plug-and-play. One button switches between fast mode for match day and slow mode for daily training, giving pilots the right charge every time.

- A G-Tech Auto-Recognition
- B 15 A High-Current Single-Channel Output
- C Plug-and-Play
- D Ultra-Simple Operation
- E Fast & Slow Charge Support

Specifications

Input Voltage	AC 100-240V	**Output Channels**	4
Supported Battery Type	LiHV/Lipo ; 2-6S	**Output Connectors**	XT60
Charge Current	Max 15A	**Operating Temperature**	0-45°C
Charge Power	AC 500W	**Dimensions**	174.9*118*76mm
Discharge Power	13W*4（Max)	**Weight**	To be determined

iMars D1000PLUS

1000W Dual-Channel Smart Charger

Drone Soccer Charger Pick

Power Up in Minutes

F9A-A 400

iMars D1000 Plus is compatible with both G-Tech and conventional non-G-Tech batteries, offering wide applicability. As the upgraded version of the D1000, the D1000 Plus has a built-in Bluetooth module, allowing remote control within Bluetooth range via the app. Users can easily start or stop charging and adjust all settings from their phone for more flexible and efficient operation. Firmware can also be updated directly through the app, keeping the charger always up to date. The D1000 Plus provides multiple protection functions, including over-temperature, over-current, over-charge, over-voltage, disconnection, short-circuit, single-cell under-voltage, and reverse-polarity protection, safeguarding operation on all sides. The charger offers three modes—Charge, Storage, and Cycle. In Cycle mode, it automatically completes a full “charge-discharge-recharge” maintenance sequence to extend battery life effectively.

- A G-Tech & Non G-Tech Compatible
- B 25 A High-Current Output
- C Pro-Grade Cycle Mode
- D Independent Dual-Channel Control
- E Gens Ace App Connectivity

Specifications

Max. Charge Power	1000W	**Charge Current**	25A X 2
Input Voltage	AC 100-240V	**Balance Current**	2A X 3/Cells
Output Voltage	DC 0-32V	**Dimensions**	186*174*95mm
Supported Battery Types	LiPo/LiHV/LiFe/Li-Ion（1~7S）;NiMH/Cd（1~18S）	**Weight**	1.7KG

Tattu APP

Smart Charging Management Platform

Product Overview

Tattu's brand-new 2025 mobile app delivers intelligent charging management via Bluetooth-connected compatible chargers. When paired with G-Tech smart batteries, it unlocks advanced features such as data visualization, performance tracking, and full charge-history lookup.

Key Features

A Remote Control

- Bluetooth start/stop charge from the phone.
- Real-time sync of voltage, current, and charge-progress data.
- User-adjustable charge current, voltage limit, and battery type.

B Safety Monitoring

- Live tracking of temperature, voltage, current, and other key parameters.
- Instant alerts for abnormal conditions. (over-temp, voltage swing, etc.)
- Auto full-charge notification & scheduled maintenance reminders.

C G-Tech Ecosystem Support

- Complete charge-history log with time-stamp and energy-efficiency data.
- Analytical charts and graphs for charge data (G-Tech batteries only).
- Data export in CSV/PDF formats, compatible with third-party tools.