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SHAPED BATTERY, SHAPE THE FUTURE

CHARGER MANUAL

2026

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TA300

G-Tech

300W Eight-Channel 2-4S Smart Charger

TA300 is designed for soccer drone batteries, featuring eight independent charging channels with intelligent recognition of battery parameters. It supports both LiPo and LiHV batteries, ensuring broad compatibility and efficient power management. The charger optimizes charging performance based on detected parameters, providing a smart and reliable solution for multi-battery applications.

Features

- A Eight-channel
- B Auto Power Allocation
- C Storage Function
- D User Friendly

Parameters

● **Input Voltage**	AC 100V-240V	● **Battery Cells**	2-4S
● **Output Power**	300W	● **Functions**	Charge; Storage
● **Discharge Power**	3WX8	● **Dimensions**	161.3X95X58.7mm
● **Max Charge Current**	2A	● **Weight**	550G
● **Battery Type**	LiPo / LiHV / LiFe / Li-Ion		

TA500

500W Dual-Channel 1-7S Lipos Smart Charger

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.

Features

- A 6-Channel Charging
- B G-Tech Auto-Recognition
- C Bluetooth App Control
- D Ultra-Simple Operation
- E Fast & Slow Charge Support

Parameters

Input Voltage	AC 100V-240V	**Battery Cells**	2-4S
Output Power	Max 500W	**Functions**	Charge ; Storage
Discharge Power	5W	**Dimensions**	183x120x84mm
Max Charge Current	5Ax6	**Weight**	930G
Battery Type	G-Tech LiPo / LiHV		

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TA500Q

500W 4-Channel 2-6S Smart Charger

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.

Features

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

Parameters

Input Voltage	AC 100V-240V	**Battery Cells**	2-6S
Output Power	Max 500W	**Functions**	Charge ; Storage
Discharge Power	13Wx4	**Dimensions**	183x118x90mm
Max Charge Current	15Ax4	**Weight**	1030G
Battery Type	G-Tech LiPo / LiHV		

TA1000

1000W Dual-Channel 1-7S Lipos Smart Charger

TA1000 is the first intelligent dual-channel high-power charger for industry UAV drones. It has the ability to automatically identify batteries with G-Tech balanced plugs without manual settings. This product is suitable for RC, FPV and industrial UAV batteries, and has comprehensive protection functions such as over-temperature, over-current, over-charging, reverse connection and self-detection to ensure the safety of the charging process.

Features

- A Lightweight & Portable
- B G-Tech Eco
- C Plug and Play
- D Real-time Monitoring
- E Comprehensive Protection

Parameters

● **Input Voltage**	AC 100V-240V	● **Battery Cells**	1-7S
● **Output Power**	1000W	● **Functions**	Charge ; Storage
● **Discharge Power**	140W	● **Dimensions**	186X174X95mm
● **Max Charge Current**	25A	● **Weight**	1.7KG
● **Battery Type**	LiPo / LiHV / LiUHV		

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TA1500

1500W Dual-Channel 6-14S Smart Charger

The TA1500 supports charge and storage modes for versatile battery maintenance. It features Plug-and-Charge auto-recognition for Tattu Smart Batteries and simple manual setup for standard packs. With Parallel and Queued charging logic, it balances efficiency and priority. The system provides real-time monitoring and an auto-cutoff feature for maximum safety. Tailored for industrial and heavy-lift drones, the TA1500 delivers a systematic and reliable power management solution for professional UAV operations.

Features

- A Plug and Charge Smartly
- B Parallel and Queued Charging Logic
- C Charge and Storage Functions
- D Cell Care and Maintenance

Parameters

meters

● Input Voltage	AC 10	Voltage	AC 100V-240V
● Output Power	AC110V: Max 800W AC220V: Max 1500W		
● Discharge Power	70W	● Dimensions	276x166x119mm
● Max Charge Current	30A	● Weight	3.5KG
● Battery Type	LiPo / LiHV / LiUHV		

TA3000PRO

3000W Dual-Channel 12-18S Smart Charger

TA3000PRO streamlines charging with automatic recognition of TATTU smart batteries, eliminating the need for manual parameter setup. It continuously monitors battery status in real time and stops charging automatically when full. The 2.4-inch IPS screen enhances user interaction by displaying detailed battery parameters and supporting multiple languages. With its intuitive interface and intelligent management, the TA3000PRO ensures safe and efficient charging.

Features

- A Real Time Monitoring
- B Plug and Play
- C Intuitive Interface
- D Stop Charging Automatically

Parameters

● **Input Voltage**	AC 100V-240V	● **Function**	Charge
● **Output Power**	AC110V: Max 1200W AC220V: Max 3000W	● **Max Charge Current**	AC110V: Max 25A AC220V: Max 40A
● **Discharge Power**	140W	● **Dimensions**	276X154X216mm
● **Battery Cells**	12-18S Tattu Smart Batter	● **Weight**	6KG
● **Battery Type**	LiPo / LiHV / LiUHV		

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TA3000PLUS

3000W 12-24S Smart Charger

TA3000PLUS is a high-performance charger supporting 12S-24S batteries. It automatically detects battery parameters, eliminating manual setup and optimizing the charging process. Real-time monitoring enhances safety by preventing overcharging, while the 2.4-inch IPS screen provides clear battery status updates and multi-language support. With its advanced functionality and wide voltage range, the TA3000PLUS is
a versatile charging solution for demanding applications.

Features

- A Plug and Play
- B Support 12S-24S batterie
- C Real Time Monitoring
- D Wide Adaptation

Parameters

● **Input Voltage**	AC 100V-240V	● **Function**	Charge; Storage
● **Output Power**	AC110V: Max 1200W AC220V: Max 3000W	● **Max Charge Current**	AC110V: Max 25A AC220V: Max 40A
● **Discharge Power**	70W	● **Dimensions**	276X154X216mm
● **Battery Type**	LiPo / LiHV / LiUHV	● **Weight**	6KG
● **Battery Cells**	12-24S Soft Pack or Tattu Smart Batter		

TA3200&TA3200HV&TA3200UHV

3200W Dual-Channel 6-14S Smart Charger

TA3200 is a dual-channel smart charger that can automatically identify TATTU smart battery information and achieve plug-and-charge without manual parameter setting. At the same time, the charger is also compatible with non-intelligent batteries, and you only need to simply set the charging current and mode. It has functions such as over-temperature, over-current, overcharge and disconnection protection, and monitors the battery status in real time during charging.TA3200HV is a high-voltage version and supports high-voltage lithium battery charging to 4.35V.TA3200UHV is a ultra high-voltage version and supports ultra high-voltage lithium battery charging to 4.45V.

Features

- A Intelligent Recognition
- B Dual Channels
- C 60A Fast Charging
- D Multi-Protection

Parameters

● **Input Voltage**	AC 100V-240V	● **Battery Cells**	6-14S
● **Output Power**	AC110V: Max 1200W ; AC220V: Max 3200W	● **Functions**	Charge ; Storage
● **Discharge Power**	140W	● **Dimensions**	276X154X216mm
● **Charge Current**	AC110V: Max 40A ; AC220V: Max 60A	● **Weight**	6KG
● **Battery Type**	LiPo(TA3200) / LiHV(TA3200HV) / Ultra LiHV(TA3200UHV)		

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TA7200PRO

7200W Dual-Channel 12/18S Smart Charger

TA7200PRO is a dual-channel smart charger specially designed for Tattu 12/18S smart batteries. It can automatically read TATTU smart battery information and supports plug-and-charge without manual parameter setting. During charging, the charger monitors the battery status in real time and automatically stops charging when the battery is fully charged. In addition, it also has comprehensive safety protection functions such as over-temperature, over-current, over-charging and disconnection to ensure safe use.

Features

- A 120A Fast Charging
- B Plug and Charge
- C Real Time Monitoring
- D Precise & Convenient

Parameters

● **Input Voltage**	AC 100V-240V, three phase input not supported	● **Battery Type**	LiPo / LiHV / LiUHV
● **Output Power**	Mains Power AC110V: Max 1500W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3000W Generator Wire AC220V: Max 7200W	● **Battery Cells**	12/18S Tattu Smart Battery
		● **Functions**	Charge ; Fast Charge
		● **Dimensions**	398X225X217mm
● **Charge Current**	AC110V: 50A ; AC220V: 120A	● **Weight**	10KG

TA9000PLUS

9000W Dual-Channel 12-24S Smart Charger

TA9000PLUS is an intelligent dual-channel high-power plant protection charger with an output current of up to 120A and is suitable for 12-24S LiPo and LiHV 4.4V/4.45V smart batteries. It can automatically read TATTU smart battery information and realize plug-and-charge without manual parameter setting. English, German, French, Japanese, and Korean, making charging management more convenient. At the same time, when the battery is fully charged, the chargerwill automatically stop charging.

Features

A High Power
B Plug and Charge
C Intelligent Management
D Extremely Convenient and Portable

Parameters

● **Input Voltage**	AC 100V-240V, three phase input not supported	● **Battery Type**	LiPo / LiHV / LiUHV
● **Output Power**	Mains Power AC110V: Max 1200W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3600W Generator Wire AC220V: Max 9000W	● **Battery Cells**	12-24S Tattu Smart Battery
		● **Functions**	Charge ; Fast Charge
		● **Dimensions**	398X225X308mm
● **Max Charge Current**	AC 110V: 60A ; AC 220V: 120A	● **Weight**	14KG

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PARAMETER

UAV Charger Parameters

Models	TA300	TA500	TA500Q	TA1000
Input Voltage	AC 100V-240V	AC 100V-240V	AC 100V-240V	AC 100V-240V
Battery Type	LiPo / LiHV / LiFe / Li-Ion	G-Tech LiPo / LiHV	G-Tech LiPo / LiHV	LiPo / LiHV / LiUHV
Battery Cells	2-4S Soft Pack Battery	2-4S G-Tech Battery	2-6S G-Tech Battery	1-7S Battery
Charge Current	Max 2A	5Ax6	15Ax4	Max 25A
Charge Power	30Wx8	Max 500W	Max 500W	Max 500WX2
Discharge Power	30Wx8	70W	13Wx4	Max 70WX2
Channel	8	6	4	2
Output Plug	/	XT30	XT60	XT90
Operating Temperature	0-45℃	0-45 ℃	0-45 ℃	0-45°C
Dimension	161.3X95X58.7mm	183x120x84mm	183x118x90mm	186X174X95mm
Weight	550G	930G	1030G	1.7KG
Function	Charge, Storage	Charge, Storage	Charge	Charge, Storage
Protection	Overcharge, Voltage limiting, Overheating, Current Limiting, Short Circuit, Reverse Connection, Self-test			

PARAMETER

UAV Charger Parameters

Models	TA1500	TA3000PRO	TA3000PLUS
Input Voltage	AC 100V-240V	AC 100V-240V	AC 100V-240V
Battery Type	LiPo / LiHV / LiUHV	LiPo / LiHV / LiUHV	LiPo / LiHV / LiUHV
Battery Cells	6-14S Soft Pack and Tattu Smart Battery	12-18S Tattu Smart Battery	12-24S Tattu Smart Battery
Charge Current	Max 30A	AC110V: Max 25A AC220V: Max 40A	AC110V: Max 25A AC220V: Max 40A
Charge Power	AC110V: Max 800W AC220V: Max 1500W	AC110V: Max 1200W AC220V: Max 3000W	AC110V: Max 1200W AC220V: Max 3000W
Discharge Power	70W	Max 70Wx2	Max 70W
Channel	2	2	1
Output Plug	AS150U	AS150UPB-M	AS150UPB-M
Operating Temperature	0-65 ℃	0-65℃	0-65℃
Dimension	276x166x119mm	276X154X216mm	276X154X216mm
Weight	3.5KG	6KG	6KG
Function	Charge ; Storage	Charge	Charge, Storage
Protection	Overcharge, Voltage limiting, Overheating, Current Limiting, Short Circuit, Reverse Connection, Self-test		

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PARAMETER

UAV Charger Parameters

Models	TA3200 / TA3200HV / TA3200UHV	TA7200PRO	TA9000PLUS
Input Voltage	AC 100V-240V	AC 100V-240V Three phase input not supported	AC 100V-240V Three phase input not supported
Battery Type	LiPo / LiHV(HV) / LiUHV(UHV)	LiPo / LiHV / LiUHV	LiPo / LiHV / LiUHV
Battery Cells	6-14S Soft Pack or Tattu Smart Battery	12-18S Tattu Smart Battery	12-24S Tattu Smart Battery
Charge Current	AC110V: Max 40A AC220V: Max 60A	AC110V: Max 50A AC220V: Max120A	AC110V: Max 60A AC220V: Max 120A
Charge Power	AC110V: Max 1200W AC220V: Max 3200W	Mains Power AC110V: Max 1500W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3000W Generator Wire AC220V: Max 7200W	Mains Power AC110V: Max 1200W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3600W Generator Wire AC220V: Max 9000W
Discharge Power	Max 70WX2	X	X
Channel	2	2	2
Output Plug	AS150UPB-M	AS150U-F	AS150U-F
Operating Temperature	0-65℃	0-40℃	0-40℃
Dimension	276X154X216mm	398X225X217mm	398X225X308mm
Weight	6KG	10KG	14KG
Function	Charge, Storage	Charge, Fast Charge	Charge, Fast Charge
Protection	Overcharge, Voltage limiting, Overheating, Current Limiting, Short Circuit, Reverse Connection, Self-test		

iMars S10

10W Smart Charger

The iMars S10 is part of the G-Tech Eco series, specifically designed to cater to the needs of G-Tech batteries. However, it also boasts compatibility with a wide range of non-G-Tech options in the airsoft industry. This versatile charger is suitable for batteries with capacities ranging from a modest 250mAh up to approximately 3000mAh. The voltage range it supports includes the commonly used 7.4V, 7.7V, 11.1V, and 11.4V, making it a versatile choice for various airsoft battery types and small-capacity batteries in the RC field.

Features

- A G-Tech Eco
- B Ultra-portable
- C Effortless charging process
- D Ideal for small

Parameters

● **Max Charge Power**	10W	● **Balance Current**	0.8A
● **Input Voltage**	BC1.2/SDP/CDP/DCP/Apple 5V/2.4A	● **Support Battery Type & Cells**	LiPo 2-3S
● **Max Input Current**	2.4A	● **Dimensions**	51X51X14mm
● **Charge Current**	0.8A	● **Weight**	23g

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iMars mini

60W Smart Charger

iMars mini is a compact smart charger designed for G-Tech smart batteries and is also compatible with nonsmart batteries. For G-Tech smart batteries, the charger can automatically identify the battery type, voltage and recommended charging current to achieve smart charging. For non-intelligent batteries, users need to manually select the battery type and mode. During the charging process, the charger will intelligently adjust the charging current according to changes in battery voltage to ensure charging efficiency and safety.

Features

- A G-Tech Eco
- B Intelligent Regulation
- C Compact and Portable
- D Storage Function

Parameters

● **Max Charge Power**	60W	● **Balance Current**	0.4A / CellX2
● **Input Voltage**	DC 5-20V	● **Support Battery Type & Cells**	LiPo / LiHV / LiFe(2~4S) ; NiMH(2~12S)
● **Max Input Current**	DC 3A	● **Dimensions**	85X55X21mm
● **Charge Current**	1-5A(Auto-adjust)	● **Weight**	64g

iMars S100

100W Smart Charger

The iMars S100 is an upgraded version of the iMars III Pro, integrated with G-Tech technology, featuring automatic recognition and data storage functions. This charger is designed to be more compact and lightweight, with an enlarged display screen to enhance the user experience. The recessed design of the connector simplifies plug-and-play operations, increasing convenience. Whether you are a beginner or a professional, the iMars S100 provides precise battery status analysis, helping you make the best charging decisions.

Features

- A G-Tech Eco
- B Automatic Recognition
- C Date Record and Storage
- D Compact and Lightweight

Parameters

● Max Charge Power	100W	● Balance Current	0.4A / CellX2
● Input Voltage	AC 100-240V	● Support Battery Type & Cells	LiPo / LiHV / LiFe / Li-Ion(2-6S) ; NiMH(4~18S)
● Max Input Current	50~60Hz~1.5A	● Dimensions	139.8X83X40mm
● Charge Current	10A	● Weight	260g

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iMars D300

300W Dual-Channel Charger

iMars D300 is the first multi-functional smart charger to use G-Tech technology while maintaining compatibility with non-smart batteries. When connected to the G-Tech smart battery, it can automatically identify battery type, voltage and other parameters to achieve plug-and-charge and precise charging. For non-smart batteries, users can easily set the charging mode manually through the intuitive interface. It has multiple functions and operating modes such as AC/DC dual-channel intelligent balanced charging, ensuring the high efficiency and safety of the charging process.

Features

- A G-Tech Eco
- B Plug and Charge
- C Multiple Functions
- D Compatibility

Parameters

● **Max Charge Power**	AC 300W ; DC 2X350W	● **Balance Current**	1.2A / CellX2
● **Input Voltage**	AC 100-240V ; DC 1-30V	● **Support Battery Type & Cells**	LiPo / LiHV / LiFe / Li-Ion(1-6S) ; NiMH / Cd(1-16S)
● **Max Input Current**	DC 34A	● **Dimensions**	145X76X62mm
● **Charge Current**	0.1-16AX2	● **Weight**	530g

iMars D1000

1000W Dual-Channel Smart Charger

iMars D1000 is part of the G-Tech Eco series, supporting both G-Tech smart and regular non-G-Tech batteries. It features multiple safety protections, including over-temperature, over-charge, short circuit, etc.. The charger operates in three modes – charge, storage, and cycling. In cycling mode, it charges or discharges cells to the set voltage, then automatically recharges to complete the cycle. Users can also set the number of cycles.

Features

- A G-Tech Eco
- B 25A Charging Current
- C Pro-level Cycling Function
- D Fully Functional Dual Channels

Parameters

● Max Charge Power	1000W	● Charge Current	25AX2
● Input Voltage	AC 100-240V	● Balance Current	2AX3/Cells
● Output Voltage	DC 0-32V	● Dimensions	186X174X95mm
● Support Battery Type & Cells	LiPo/LiHV/LiFe/Li-Ion（1~7S）; NiMH/Cd（1~18S）	● Weight	1.7KG

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PARAMETER

RC Charger Parameters

Model	iMars S10	iMars mini	iMars S100
G-Tech	Yes	Yes	Yes
Channel	1	Yes	1
Max Charge Power	10W	60W	100W
Input Voltage	BC1.2/SDP/CDP/ DCP/Apple 5V/2.4A	DC 5-20V	AC 100-240V
Max Input Current	2.4A	DC 3A	1.5A
Charge Current	0.8A	1-5A(Auto-adjust)	0.1-10A
Balance current	0.8A	0.4A / CellX2	0.4A / CellX2
Discharge current	/	/	0.4A
Support Battery Type and Cells	LiPo 2-3S	LiPo / LiHV / LiFe(2-4S) NiMH(2-12S)	LiPo / LiHV / LiFe / Li-Ion(2-6S) NiMH (4-18S)
Operating Temperature	0-40℃	0-40℃	0-35℃
Dimensions	51x51x14mm	85X55X21mm	139.8X83X40mm
Weight	23g	64g	310g

PARAMETER

RC Charger Parameters

Model	iMars D300	iMars D1000
G-Tech	Yes	Yes
Channel	2	2
Max Charge Power	AC 300W ; DC 2X350W	Max 500Wx2
Input Voltage	AC 100-240V	AC 100V-240V
Max Input Current	DC 1-30V DC 34A	AC 25Ax2
Charge Current	0.1-16AX2	Max 25Ax2
Balance current	1.2A / CellX2	2Ax3/Cells
Discharge current	0.1-3AX2	0.1-8A
Support Battery Type and Cells	LiPo / LiHV / LiFe /Li-Ion(1-6S) NiMH / Cd(1-16S)	LiPo / LiHV / LiFe / Li-Ion（1-7S） NiMH/Cd（1-18S）
Operating Temperature	0-65℃	0-45℃
Dimensions	145X76X62mm	186x174x95mm
Weight	530g	1.7KG

Gens ace APP

Experience the Future of Smart Charging

Gens ace has been innovating for years, and in 2025, we're proud to introduce our latest mobile app. Using Bluetooth connectivity, the Gens ace app pairs seamlessly with compatible chargers, delivering the most advanced charging experience for every player.

When connected to your G-Tech batteries, you'll unlock even more features—like data visualization, performance analytics, and full charging history tracking.

At Grepow, we power your passion!

Remote Control

A Start/Stop Charging

Control charging remotely—start or stop the process anytime, right from your phone.

B Real-Time Monitoring

Track live charging data, including voltage, current, and progress, so you're always in the know.

C Customizable Settings

Adjust charging current, voltage limits, and battery type for optimized performance tailored to your needs.

Real-Time Monitoring: Stay in Command of Your Charging Process

A **Live Data Tracking**
Monitor voltage, current, temperature, and other critical metrics in real time.

B **Smart Safety Alerts**
Get instant notifications for irregularities like overheating or voltage spikes.

C **Charging Complete Alerts**
Receive a push notification the moment your battery reaches full capacity.

D **Automated Maintenance Reminders**
Download your battery stats in CSV or PDF formats for advanced analysis or integration with third-party tools.

G-Tech Ecosystem: The Smartest Battery Charging Experience

A **Complete Charging History**
Review past charging sessions with timestamps, durations, and efficiency metrics—all accessible from your phone.

B **Intelligent Data Analytics**
The app transforms raw charging data into clear visual reports, so you can optimize performance at a glance. (G-Teth battery exclusive)

C **Seamless Data Export**
Download your battery stats in CSV or PDF formats for advanced analysis or integration with third-party tools.

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