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FPV / DRONE SOCCER
BATTERY & CHARGER

TATTU FPV



PRODUCT MANUAL
FPV / DRONE SOCCER BATTERY & CHARGER

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About Grepow

Shenzhen Grepow Battery Co., Ltd.(Abbr. Grepow) is a 28 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 of technical support and industry experience of Grepow, Grepow innovatively created Tattu to provide professional batteries and chargers for the drone industry. Tattu is committed to providing both professional users and enthusiasts of drones with a more efficient and safer flying experience.

Building on this foundation, Tattu has developed a dedicated FPV battery lineup for racing, freestyle, drone soccer, and commercial FPV, including R-Line, Funfly, Cinelifter series, and so on. These products are widely used in MultiGP, FAI, and other international competitions, and are trusted by FPV pilots and DIY enthusiasts worldwide.

Designed for high output, precise throttle response, and stable power delivery, Tattu FPV batteries support a wide range of platforms, including tinywhoop, drone light show, cinelifter, 8"-18" inch FPV builds, delivering consistent performance in demanding flight scenarios.



Website

1998

Founded

230,000m²

Production Area

3200+

Employees

350+

R&D Engineers

4+3

4 Production Bases

3 International Sales & Marketing Offices



Tattu FPV Battery

- A Ultra-lightweight design
- B High discharge performance
- C Stable and consistent output
- D Multiple capacity options



Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
TinyWhoop FPV	Tattu 95C 400mAh 7.4V 2S1P	42x18x12mm	19g
	Tattu 95C 500mAh 3.7V 1S1P	58x18x7mm	14g
	Tattu 95C 550mAh 7.4V 2S1P	62x19x15mm	31g
	Tattu 95C 550mAh 11.1V 3S1P	63x19x22mm	45g
	Tattu 95C 550mAh 14.8V 4S1P	64x19x28mm	59g
	Tattu 95C 550mAh 22.2V 6S1P	63x18x41mm	86g
	Tattu 95C 650mAh 11.1V 3S1P	60x31x18mm	56g
	Tattu 95C 650mAh 14.8V 4S1P	59x31x23mm	72g
	Tattu 95C 650mAh 22.2V 6S1P	62x31x34mm	106g
	Tattu 95C 750mAh 7.4V 2S1P	56x25x16mm	41g

Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
TinyWhoop FPV	Tattu 95C 750mAh 11.1V 3S1P	58x30x21mm	63g
	Tattu 95C 750mAh 14.8V 4S1P	59x31x27mm	83g
Toothpick FPV	Tattu 95C 300mAh 3.8V 1S1P HV	65x11x6mm	9g
	Tattu 95C 300mAh 7.6V 2S1P HV	65x10x13mm	17g
	Tattu 95C 450mAh 3.8V 1S1P HV	60x16x7mm	12g
	Tattu 95C 450mAh 7.6V 2S1P HV	62x16x15mm	26g
	Tattu 95C 450mAh 11.4V 3S1P HV	63x16x21mm	36g
	Tattu 95C 450mAh 15.2V 4S1P HV	63x16x27mm	49g
	Tattu 95C 550mAh 7.6V 2S1P HV	67x15x14mm	30g
	Tattu 95C 550mAh 11.4V 3S1P HV	68x16x21mm	43g
	Tattu 95C 550mAh 15.2V 4S1P HV	68x16x26mm	57g
	Tattu 95C 650mAh 7.6V 2S1P HV	73x17x13mm	33g
	Tattu 95C 650mAh 15.2V 4S1P HV	73x17x24mm	61g
	Tattu 95C 750mAh 7.6V 2S1P HV	73x17x14mm	37g
	Tattu 95C 750mAh 15.2V 4S1P HV	77x18x28mm	69g
	Tattu 95C 850mAh 7.6V 2S1P HV	73x17x16mm	40g
	Tattu 95C 850mAh 15.2V 4S1P HV	73x17x31mm	76g

Tattu FPV Racing Battery

- A 150C / 160C ultra-high discharge
- B Instant throttle response
- C Minimal voltage sag
- D Built for FPV racing competitions



Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
Rline V6 160C	Tattu 160C 1000mAh 14.8V 4S1P	62x31x28mm	99.5g
	Tattu 160C 1300mAh 22.2V 6S1P ST	76x39x33mm	197g
	Tattu 160C 1480mAh 22.2V 6S1P SQ	70x42x36mm	222g
	Tattu 160C 1480mAh 22.2V 6S1P ST	76x38x36mm	217g
	Tattu 160C 1600mAh 22.2V 6S1P SQ	70x43x40mm	242g
	Tattu 160C 1600mAh 22.2V 6S1P ST	76x38x40mm	237g
	Tattu 160C 1700mAh 22.2V 6S1P SQ	71x43x41mm	250g
	Tattu 160C 1700mAh 22.2V 6S1P ST	77x39x41mm	246g

Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
Rline V5 150C	Tattu 150C 850mAh 11.1V 3S1P	60x31x23mm	74g
	Tattu 150C 850mAh 14.8V 4S1P	60x31x31mm	99g
	Tattu 150C 1050mAh 22.2V 6S1P	76x39x33mm	184g
	Tattu 150C 1200mAh 22.2V 6S1P	76x39x35mm	194g
	Tattu 150C 1300mAh 14.8V 4S1P	76x38x27mm	155g
	Tattu 150C 1400mAh 22.2V 6S1P	76x38x40mm	222g
	Tattu 150C 1480mAh 22.2V 6S1P	76x39x44mm	240g
	Tattu 150C 1550mAh 14.8V 4S1P	76x39x31mm	173g
	Tattu 150C 1550mAh 22.2V 6S1P	76x39x46mm	250g
	Tattu 150C 1800mAh 22.2V 6S1P	77x39x53mm	287g
	Tattu 150C 2000mAh 14.8V 4S1P	74x39x40mm	217g
	Tattu 150C 2200mAh 18.5V 5S1P	107x34x40mm	294g
	Tattu 150C 2200mAh 22.2V 6S1P	108x34x50mm	358g

Tattu Drone Soccer Battery

- A Designed for FAI Drone Soccer competitions
- B High power output
- C Stable voltage performance
- D Consistent and reliable



Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
F9A-C 100	Tattu 110C 250mah 3.8V 1S1P	7.8x20x32mm	7g
	Tattu 30C 400mah 7.4V 2S1P	13x19x44mm	18g
	Tattu 25C 500mah 7.6V 2S1P	10x24x52mm	22g
	Tattu 25C 630mah 7.6V 2S1P	11x25x53mm	26g
F9A-B 200	Tattu 60C 1100mah 11.4V 3S1P	23x27x59mm	65g
	Tattu 150C 870mah 14.8V 4S1P	32.5x28.5x64mm	95g
	Tattu 150C 950mah 14.8V 4S1P	35x28.5x64mm	103g
	Tattu 120C 1000mah 14.8V 4S1P	32.5x28.5x64mm	94g

Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±10g)
F9A-B 200	Tattu 150C 1050mah 14.8V 4S1P	37x27.5x63mm	108g
	Tattu 60C 1100mah 15.2V 4S1P	27x29x61mm	86g
	Tattu 110C 1100mah 14.8V 4S1P	32x28x64mm	92g
	Tattu 120C 1100mah 14.8V 4S1P	35x28.5x64mm	101g
	Tattu 150C 1180mah 14.8V 4S1P	41x27.5x63mm	116g
	Tattu 60C 1300mah 11.4V 3S1P	28x29x64mm	83g
	Tattu 120C 1300mah 11.4V 3S1P	28x30x64mm	88g
	Tattu 60C 1300mah 15.2V 4S1P	28x37x64mm	107g
	Tattu 110C 1300mah 14.8V 4S1P	37x27.5x63mm	98g
F9A-B 400	Tattu 120C 1300mah 14.8V 4S1P	37x27.5x63mm	110g
	Tattu 150C 1800mah 22.2V 6S1P	55x37x70mm	280g
	Tattu 150C 2000mah 22.2V 6S1P	44x45x95mm	312g
	Tattu 150C 2100mah 22.2V 6S1P	42.5x35x110mm	320g
	Tattu 120C 2800mah 22.2V 6S1P	52.5x35x110mm	389g
	Tattu 120C 3000mah 15.2V 4S1P	34x37x105mm	268g
	Tattu 120C 3000mah 22.2V 6S1P	56x35x110mm	398g

Tattu Commercial FPV Drone Battery

- A High-capacity design for long endurance
- B High discharge capability for powerful performance
- C Stable voltage output under load
- D Reliable and durable for commercial operations

Battery Model Table

Application	Battery Type	Dimension(±2mm)	Weight/g(±100g)
Drone Light Show	Tattu 35C 3700mAh 14.8V 4S1P	136x41x27mm	372g
	Tattu 35C 5200mAh 14.8V 4S1P	133x45x34mm	437g
Cinelifter	Tattu 95C 4500mAh 22.2V 6S1P	147x49x45mm	682g
	Tattu 95C 5100mAh 22.2V 6S1P	150x50x55mm	868g
	Tattu 150C 3500mAh 22.2V 6S1P	139x42x46mm	576g
	Tattu 150C 6000mAh 22.2V 6S1P	162x45x62mm	941g
	Tattu 95C 5600mAh 22.8V 6S1P	153x49x61mm	1050g
	Tattu 150C 6000mAh 29.6V 8S1P	160x51x75mm	1210g
	Tattu 95C 8000mAh 22.8V 6S1P	138x43x63mm	808g
8"-18" FPV	Tattu 30C 12000mAh 29.6V 8S1P	190x71x72mm	2042g
	Tattu 30C 16000mAh 29.6V 8S1P	193x86x77mm	2650g
	Tattu 30C 22000mAh 29.6V 8S1P	208x91x81mm	3300g
	Tattu 30C 22000mAh 44.4V 12S1P	212x92x139mm	5350g



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.



TA300

300 W 8-Channel 2-4 S Smart Charger



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 safetyprotection and high-efficiency output, delivering a reliable charging solution for professional users.



A 300W total output

B 8-channel smart charger

C Support LiHV / LiPo 2-4S batteries

D Clear digital display

Parameter

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		

TA500



500W 6-Channel 2-4S 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.

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



Specifications			
Channel	6	AC input Voltage	100V~240V
Charging Power	500W (Max)	Support Battery	G-Tech LiHV/Lipo 2-4S
Discharge Power	5W	Dimension	182.5x120x86.98mm
Charging Current	5A*6 (Max)	Net Weight	890g±50g
Max AC Input Current	6.5A	Operating Mode	Charge,Storage
TYPE-C Ouput Current	2A	Fast / Standard Charging	Yes

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.

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



Specifications			
Channel	4	AC Input Voltage	100V~240V
Charging Power	500W (Max)	Support Battery	G-Tech LiHV/Lipo 2-6S
Discharge Power	13W*4 (Max)	Dimension	175x118x76mm
Charging Current	15A*4 (Max)	Net Weight	990g±50g
Max AC Input Current	6A	Operating Mode	Charge,Storage
TYPE-C Ouput Current	2A	Fast / Standard Charging	Yes

