![GREPOW - SHAPED BATTERY, SHAPE THE FUTURE]

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Grepow Website   List of Tattu Batteries

CHARGER MANUAL

2024

CONTENTS

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		

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

Parameter	Value	Parameter	Value
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)		

TA7200

7200W Dual-Channel 12/14S Smart Charger

TA7200 is a dual-channel smart charger specially designed for Tattu 12/14S 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

Parameter	Value	Parameter	Value
Input Voltage	AC 100V-240V, three phase input not supported	Battery Type	LiPo / LiHV
Output Power	Mains Power AC110V: Max 1500W / Mains Power AC220V: Max 3000W / Generator Wire AC110V: Max 3000W / Generator Wire AC220V: Max 7200W	Battery Cells	12/14S Tattu Smart Battery
		Functions	Charge ; Fast Charge
		Dimensions	398X225X217mm
Charge Current	AC110V: 50A ; AC220V: 120A	Weight	10KG

TA9000

9000W Dual-Channel 12-22S Smart Charger

TA9000 is a dual-channel plug-in structure smart charger that supports multiple input methods and can automatically read TATTU smart battery information without manual settings. During the charging process, the charging current is intelligently adjusted according to the real-time status of the battery to ensure safe charging. This product also has comprehensive protection functions such as overvoltage, voltage limiting, overheating, current limiting, short circuit and reverse connection, and adopts air-cooling heat dissipation technology to meet more efficient charging during busy operations.

Features

A   120A Fast Charging
B   Plug and Charge
C   Multiple Input Methods
D   Efficient Heat Dissipation

Parameters

● **Input Voltage**	AC 100V-240V, three phase input not supported	● **Battery Type**	LiPo / LiHV
● **Output Power**	Mains Power AC110V: Max 1200W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3600W Generator Wire AC220V: Max 9000W	● **Battery Cells**	12-22S Tattu Smart Battery
		● **Function**	Charge
		● **Dimensions**	583X412.3X435.9mm
● **Max Charge Current**	AC110V: 60A ; AC220V: 120A	● **Weight**	23KG

TA9000PRO

9000W Dual-Channel 12-18S Smart Charger

TA9000 Pro is an intelligent dual-channel high-power plant protection charger with an output current of up to 120A and is suitable for 12-18S 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 charger will 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
● **Output Power**	Mains Power AC110V: Max 1200W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3600W Generator Wire AC220V: Max 9000W	● **Battery Cells**	12-18S Tattu Smart Battery
		● **Functions**	Charge ; Fast Charge
		● **Dimensions**	398X225X308mm
● **Max Charge Current**	AC 110V: 60A ; AC 220V: 120A	● **Weight**	14KG

PARAMETER

UAV Charger Parameters

Models	TA1000	TA3200 / TA3200HV / TA3200UHV	TA7200	TA9000	TA9000PRO
Input Voltage	AC 100V~240V	AC 100V~240V	AC 100V~240V Three phase input not supported	AC 100V~240V Three phase input not supported	AC 100V~240V Three phase input not supported
Battery Type	LiPo / LiHV	Lipo / LiHV(HV) / Ultra LiHV(UHV)	LiPo / LiHV	LiPo / LiHV	LiPo / LiHV
Battery Cells	1-7S	6-14S Soft Pack or Tattu Smart Battery	12-14S Tattu Smart Battery	12-22S Tattu Smart Battery	12-18S Tattu Smart Battery
Charge Current	Max 25A	AC110V: Max 40A AC220V: Max 60A	AC110V: Max 50A AC220V: Max120A	AC110V: Max 60A AC220V: Max120A	AC110V: Max 60A AC220V: Max 120A
Charge Power	Max 500WX2	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	Mains Power AC110V: Max 1200W Mains Power AC220V: Max 3000W Generator Wire AC110V: Max 3600W Generator Wire AC220V: Max 9000W
Discharge Power	Max 70WX2	Max 70WX2	X	X	X
Channel	2	2	2	2	2
Output Plug	XT90	AS150UPB-M	AS150U-F	RFQ59615	AS150U-F
Operating Temperature	0-45℃	0-65℃	0-40℃	0-40℃	0-40℃
Dimension	186X174X95mm	276X154X216mm	398X225X217mm	583X412.3X435.9mm	398X225X308mm
Weight	1.7KG	6KG	10KG	23KG	14KG
Function	Charge Storage	Charge Storage	Charge Fast Charge	Charge	Charge Fast Charge
Protection	Overcharge, Voltage limiting, Overheating, Current Limiting, Short Circuit, Reverse Connection, Self-test				

iMars mini G-Tech

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 C Compact and Portable
B Intelligent Regulation 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

iMars Dual

200W Dual-Channel Charger

iMars Dual is a dual-channel charger that is easy to operate. Its DC power port supports maximum single-channel 300W charging, while the AC power supply supports intelligent power distribution. The product contains seven operating modes: charging, discharging, balancing, storage, digital power, external discharging and 2-in-1 charging. During the charging process, the product can display information such as total voltage, charge and discharge current, and working time in real time. It also provides real-time monitoring of each cell voltage, internal resistance, and temperature, making it easier for users to understand battery performance and charging status.

Features

A	Easy to Use
B	Battery Monitoring
C	Multiple Modes
D	Multiple Protection

Parameters

● Max Charge Power	AC 200W ; DC 2X300W	● 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 30A	● Dimensions	145X76X62mm
● Charge Current	0.1-15AX2	● Weight	530g

iMars D300

G-Tech

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

PARAMETER

RC Charger Parameters

Model	iMars mini	iMars S100	iMars Dual	iMars D300
G-Tech	Yes	Yes	No	Yes
Channel	1	1	2	2
Max Charge Power	60W	100W	AC 200W ; DC 2X300W	AC 300W ; DC 2X350W
Input Voltage	DC 5-20V	AC 100-240V	AC 100-240V ; DC 1-30V	AC 100-240V ; DC 1-30V
Max Input Current	DC 3A	1.5A	DC 30A	DC 34A
Charge Current	1-5A(Auto-adjust)	0.1-10A	0.1-15AX2	0.1-16AX2
Balance current	0.4A / CellX2	0.4A / CellX2	1.2A / CellX2	1.2A / CellX2
Discharge current	/	0.4A	0.1-3AX2	0.1-3AX2
Support Battery Type and Cells	LiPo / LiHV / LiFe(2-4S) NiMH(2-12S)	LiPo / LiHV / LiFe / Li-Ion(2-6S) NiMH (4-18S)	LiPo / LiHV / LiFe / Li-Ion(1-6S) NiMH / Cd(1-16S)	LiPo / LiHV / LiFe / Li-Ion(1-6S) NiMH / Cd(1-16S)
Operating Temperature	0-40℃	0-35℃	0-65℃	0-65℃
Dimensions	85X55X21mm	139.8X83X40mm	145X76X62mm	145X76X62mm
Weight	64g	310g	530g	530g