

## IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS

# TATTU (CN)

Unmanned System Battery

请在充电或者使用之前，认真阅读以下说明书以及相关注意事项。

锂聚合物电池是活性物质，若没有认真阅读以下说明书以及相关条款，在房间、车库、车上等密闭空间直接充、放电池，易引起着火、人员伤亡或者财产损失。

若未仔细阅读，从而引起相关事故，TATTU厂家、分销商以及经销商概不负责。

购买TATTU相关产品，买方需要承担所有与该产品相关风险。如果您不同意此项条款，在您使用之前，请即刻将电池退回我方。

### 在充电/放电之前：

请检查电池表面是否有损伤现象，请勿对任何表面有损伤的电池进行充电。

请检查电池是否有鼓胀现象，请勿对已鼓胀的电池进行充电。

请检查电池是否有漏液现象，请勿对已漏液电池进行充电。

请检查电池的每片电芯电压是否正常，若单片电芯电压显示低于正常电压（3.3V/cell），或电池组每片电芯电压不平衡，则该电池存在质量问题，请勿对此电池进行充电。

请确认电池插头接线正负极是否正确，请勿让电池短路。

确认锂电充电器是否状态良好。

### 在充电/放电时：

请勿使用镍镉（NICD）、镍氢（NIMH）或者其他种类电池专用的充电器来为锂聚合物（LIPO）电池充电，请使用LIPO专用充电器充电。

请勿在无人看顾的情况下充电。

请勿过充（每片电芯充满电的电压不超过4.25V）。

请勿短路（正负极接反）。

请在0-45°C 温度内充电。

充电时，请注意充电的桌面或平台可耐热耐高温，充电时，有条件地选择在水泥地上或者装满泥沙的花盆中充电。

在任何时候，都不能让电池电芯过热。电芯在温度高达60°C后，会存在安全隐患，甚至是燃烧。

在充电时，电池不可接近或者直接放置在易燃物品如：纸张、塑料、地毯、乙烯、皮革、木材，或者直接放在设备中充电。

请勿过放（每片电芯放完电的电压不低于3.3V），过放易损伤电池，如鼓胀。

请勿将电解液溅到眼睛或者皮肤，如不慎溅到，请立即用清水清洗，严重者请立即就医。请勿任意拆开电池重组或者改变接线。

请勿直接接触有漏液现象电池。

请勿私自组装电池，将旧电池电芯拆开重组、或者将拆开后的某一片电芯与另外一组电池重组的行为都是危险的（无专用的组装机易引起短路燃烧）。

如在使用中发生碰撞，请将电池取出。请仔细检测电池以及连接器是否正常，以防万一。注意：电池有可能高温烫手！

### 电池储存：

请勿将电池接近液体，也勿在潮湿的地方保存电池。

请勿将电池靠近明火或者加热器等火源。

请将电池放置在孩童够不着的地方。

请确保电池在室温：25摄氏度左右保存。

请确保电池有足够大的保存空间（电池与电池之间不相互挤压）。

长期不使用的电池，保存电压请控制在3.8V-3.85V之间。另外，请保证每两个星期检查一次电池保存盒状态有无异常，每两个月内进行一次充放电激活，以维持电池的稳定性。

## IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS

# TATTU (DE)

Unmanned System Battery

### Wichtige Sicherheitshinweise Anleitung und Warnungen

Bitte lesen Sie die Warnhinweise bevor Sie das Produkt einsetzen oder laden. Lithiumbatterien sind entflammbar. Das nichtbeachten der Warnhinweise und der Anleitung kann zu Feuer führen, es besteht Verletzungsgefahr und es kann Sachschaden entstehen.

Tattu und dessen Verteiler übernehmen keine Haftung, wenn die Warnhinweise nicht beachtet und die Anweisungen der Anleitung nicht befolgt werden.

Beim Kauf übernimmt der Käufer die Verantwortung für alle mit dem Produkt einhergehenden Risiken. Sollten Sie damit nicht einverstanden sein, geben sie das Produkt umgehend zurück.

### Vor dem Laden:

1. Die Batterie darf nicht beschädigt sein. Laden Sie keine beschädigten Batterien.
2. Die Batterie darf nicht gebläht sein. Laden Sie keine geblähten Batterien.
3. Die Batterie darf nicht leckgeschlagen sein. Laden Sie keine leckgeschlagenen Batterien.
4. Stellen Sie sicher, das alle Zellen mindestens 3,3 Volt Spannung aufweisen. Sollten einzelne Zellen unter 3,3 Volt liegen oder einzelne Zellen stark davon abweichen kann die Batterie defekt sein. Laden Sie die Batterie in diesem Fall nicht.
5. Die Batterie darf nicht verpolt oder kurzgeschlossen werden.
6. Stellen Sie sicher das das Ladegerät in einwandfreiem Zustand ist.

### Lade/Entladevorgang:

Das nichteinhalten der Nachfolgenden Anleitung könnte einen Brand auslösen und zu Verletzungen und Sachschäden führen.

1. Legen Sie das Ladegerät in ein feuerfestes Gehäuse. (Tonblumentopf)
2. Legen Sie das feuerfeste Gehäuse auf eine feuerfeste Unterlage. (Betonboden)
3. Stellen Sie sicher das sich nichts entflammbares in einem Umkreis von mind. 2 Metern befindet.
4. Stellen Sie sicher das sich nichts entflammbares in einer Höhe von mind. 4 Metern befindet.
5. Bedecken Sie das feuerfeste Gehäuse mit einem nicht entflammbaren Material.
6. Lassen Sie die Vorrichtung niemals unbeaufsichtigt.
7. Im Falle eines Brandes, entfernen Sie alle elektrischen Verbindungen.
8. Legen Sie nichts entflammbares in die Nähe des Ladegerätes.

### Lagerung:

Das nichteinhalten der Nachfolgenden Anleitung wird einen Brand auslösen und zu Verletzungen und Sachschäden führen.

1. Legen Sie das Ladegerät in ein feuerfestes Gehäuse. (Tonblumentopf)
2. Legen Sie das feuerfeste Gehäuse auf eine feuerfeste Unterlage. (Betonboden)
3. Stellen Sie sicher das sich nichts entflammbares in einem Umkreis von min. 2 Metern befindet.
4. Stellen Sie sicher das sich nichts entflammbares in einer Höhe von min. 4 Metern befindet.
5. Bedecken Sie das feuerfeste Gehäuse mit einem nicht entflammbaren Material.
6. Prüfen Sie den Zustand der Batterie einmal wöchentlich. Lassen Sie die Vorrichtung niemals für längere Zeit unbeaufsichtigt.
7. Legen Sie nichts entflammbares in die Nähe des Ladegerätes.
8. Lagern Sie die Batterie nur bei Raumtemperatur.
9. Stellen Sie vor der Lagerung sicher, das die Batterie in fehlerfreiem Zustand ist.

### Vor dem Anwenden:

1. Die Batterie darf nicht beschädigt sein. Laden Sie keine beschädigten Batterien.
2. Die Batterie darf nicht gebläht sein. Laden Sie keine geblähten Batterien.
3. Die Batterie darf nicht leckgeschlagen sein. Laden Sie keine leckgeschlagenen Batterien.
4. Stellen Sie sicher das alle Zellen mindestens 3,3 Volt Spannung aufweisen. Sollten einzelne Zellen unter 3,3 Volt liegen oder einzelne Zellen stark davon abweichen kann die Batterie defekt sein. Laden Sie die Batterie in diesem Fall nicht.
5. Die Batterie darf nicht verpolt oder kurzgeschlossen werden.

**\*You must read these safety instructions and warnings before using or charging your batteries.**

**\*Lithium Polymer batteries are volatile. Failure to read and follow these instructions may result in fire, personal injury and damage to property. Do not charge/ discharge a battery in side your house, garage, building, or vehicle.**

**\*Tattu and its distributors and retailers assume no liability for failure to comply with these warnings and safety guidelines.**

**\*By purchasing this battery, the buyer assumes all risks associated with this product. If you do not agree with these conditions, please return the battery immediately before use**

**Before charging/ discharging:**

1. Inspect the battery for any damages. Do not charge a damaged battery.
2. Inspect the battery for any swelling. Do not charge a swollen battery.
3. Inspect the battery for possible battery fluid leaks. Do not charge a leaking battery.
4. Inspect the voltage for each battery cell. if the cell voltage is significantly lower than the normal voltage(3. 3V per cell) or voltage of each cell has significant difference, The battery may be in defective condition. Do not charge the battery.
5. Make sure the wire connection polarity is correct; do not short circuit the battery.
6. Verify the lithium polymer charger is in good condition.

**Charging/ discharging the battery:**

Please follow below instructions to setup the charging station. Failure to do so will cause a fire, which may result in serious personal injury and property damage.

1. Use a fireproof cement concrete bunker or fireproof material flower pot as the charging container.
2. Put the charging container on a cement concrete floor.
3. The horizontal clearance radius for the charging container should be at least 5 feet.
4. The vertical clearance for the charging container should be at least 10 feet.
5. Cover the charging container with a fireproof material cover.
6. Never leave while battery is in charging process. Do not charge the battery unattended.
7. In case of fire, disconnect the electrical wire from the electrical outlet immediately.
8. Do not put any combustible materials near the charging area.

**Storing the battery:**

Please follow below instructions to setup the storing station. Failure to do so will cause a fire, which may result in serious personal injury and property damage.

1. Use a fireproof cement concrete bunker or fireproof material flower pot as the storage container.
2. Put the storage container on a cement concrete floor.
3. The horizontal clearance radius for the storage container should be at least 2 feet.
4. The vertical clearance for the storage container should be at least 10 feet.
5. Cover the storage container with a fireproof material cover.
6. Constantly check the condition of the battery in side the storage container at least once a week. Do not leave the battery unattended for a long period of time.
7. Do not put any combustible materials near the storage container.
8. Store batteries in a location with room temperature only.
9. Verify the battery is in good condition before storage.

**Using the battery: Using the battery:**

1. Inspect the battery for any damages. Do not use a damaged battery.
2. Inspect the battery for swelling. Do not use a swollen battery
3. Inspect the battery for possible battery fluid leaks. Do not use a leaking battery
4. Inspect the voltage for each cell. If the cell voltage is significantly lower than the normal voltage(3. 3V per cell) or voltage of each cell has significant difference, the battery may be in defective condition. Do not use the battery.
5. Make sure the wire connection polarity is correct; do not short circuit the battery

**Lithium Polymer (Lipo) battery warnings**

1. Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry. Use ONLY charger designed for LiPo battery. Failure to do so may cause a fire, which may result in personal injury and property damage.
2. Battery charging/discharging and observation should occur in an isolated safe location outside of any building or vehicle and away from any combustible material. The middle of cement driveway is a good example of a safe location. Never charge/discharge the battery inside the house, garage and vehicle
3. It is solely user's responsibility to assure that the charger used in the charging/discharging process works properly. Only charge LiPo batteries with a good quality Lithium Polymer balanced charge. Failure to do so may cause a fire, which may result in personal injury and property damage.
4. Inspect the battery before the charging/discharging, and storage process. Check for damage, leaks, broken connectors, and puffiness. Check the battery voltage. Normal voltage should be approximately between 3.3V-4.2 per cell. If the voltage is significantly less than the normal voltage(less than 3.3V per cell), do not charge/discharge the pack.
5. The charging rate should not exceed 1C (one time the capacity of the battery, for example: charge an 800mAh battery at or below 0.8A, charging a 3000mAh battery at or below 3A). Higher charging rate may damage the battery and result in fire.
6. Charge/discharge each battery pack individually. Set the cell count, charging current, and voltage on the charger for the charging/discharging process correctly.
7. Do not over charge/discharge the battery: doing so will damage the battery. Do not discharge the battery. Do not discharge a battery pack to a level below 3.3V per cell
8. Do not use batteries that lose 20% of their capacity.
9. Do not leave LiPo battery unattended during the charging/discharging process. During the charging/discharging process, user should monitor the process constantly and react to potential problem that may occur
10. Always place the battery in a fire resistant surface or fire safety container alone when charging/discharging. The middle of a cement driveway is a good example of a safe location. Do not charge/discharge battery inside house, garage, vehicle, building and away from any combustible material.
11. Always store the battery in a fire resistant surface or fire safety container alone. Do not store battery inside house, garage, vehicle, building and away from any combustible material.
12. Do not continue to use damaged battery, Send damaged battery to certified recycling facility as soon as possible
13. Allow battery to cool down to normal temperature before recharging. Never exceed 140 degrees F during the charging/discharging process.
14. Shorts circuit the battery can cause fires! If you accidentally short the battery, you should place the battery in a safe area for observation for approximately 30 minutes.
15. Never modify the battery by yourself. If you need to cut the terminal wires, soldering connectors, please consult an experienced user before operation.
16. Use the battery with care and avoid puncture to the battery. Puncturing a LiPo battery can cause fire.
17. Store batteries at room temperature between 40 to 70 digress F. Never store battery pack inside your vehicle if the internal temperature exceeds 120 degrees F. If storing for a period of time (more than a week), batteries should be stored at 3.8V to 3.9V per cell.
18. Never expose battery under direct sunlight or heat for extended periods of time. Expose batteries at temperature greater than 140 degrees F for extended period of time(more than 30 minutes) may result in damage to the batteries and possible fire.
19. Inspect batteries if crash, battery should be placed in a safe area for observation for at least 30 minutes after crash.
20. Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 degrees F will usually become damaged and will catch fire.
21. Do not expose LiPo cell to water or moisture at any time.
22. Do not assemble LiPo cells or pre-assembles packs together with other LiPo cells or packs.
23. Always store LiPo battery in a secure location away from children.
24. Always remove the LiPo battery if model is involved in any kind of crash. Carefully inspect the battery and connectors for even for the smallest damage. CATION: cells may be hot!
25. Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte. Do not alter or modify connectors or wires of a LiPo battery pack.
26. Do not have contact with a leaky/damaged battery directly.
27. Do not charge/discharge battery at of recommended temperature range(Charge:32 to 110 degrees F; Discharge:32 to 140 Degrees F)
28. Do not charge/discharge process, if at any time you witness a battery starting or swell up, discontinue the charging/discharging process immediately. Disconnect the battery and place it in a safe observation area for approximately 30 minutes. Continuing to charge a battery that has begun to swell result in fire.

**By purchasing and using this battery, the buyer and user assumes all risks associated with this product. If you do not agree with these conditions, do not proceed to use the battery. You must read the above safety instructions and warnings before charging/discharging your batteries. Manufacturers, distributors, and retailers assume to liability for failure to comply with the warning and safety guidelines.**

**This product is for experienced adult remote control users only. It is not recommended for children under the age of 18. All minors should be accompanied by an adult when operating a Li-Po battery.**

**This product requires proper operating knowledge to avoid any accidents. Failure to take caution when operating this product may result in serious injury or property damage. It is the owner's responsibility to operate this product in a safe manner. Manufacturers and its distributors are not responsible for any bodily injury(s) and/or property damage that may occur from the use of or caused by this product.**