

## CM21500 P-Series Rapid Charger

User Manual  
Version 1.0 **EN**

## To Users

Dear user, thank you for choosing XAG products.

For safety purposes and the best experience possible, XAG recommends reading through the User Manual and Disclaimer contained in this document before attempting to use the CM21500 XAG P-Series Rapid Charger.

## Contact Us

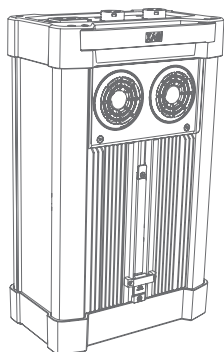
If you have any questions about this document, please contact our Technical Support via email: [info@xa.com](mailto:info@xa.com)

## Product Profile

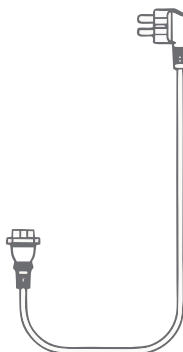
The CM21500 Rapid Charger features wide voltage, self-cooling design, and has functions such as under and overvoltage protection, overtemperature protection, and fault isolation. It can monitor the status information of all smart batteries in real time, and give priority to the smart battery with the most remaining power Charge, and turn off a fully charged smart battery.

## List of Items

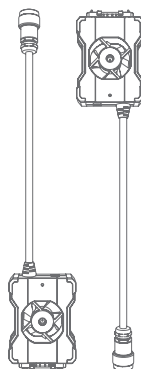
The list of items is shown below. When opening the product for the first time, please check carefully to ensure none of the items listed are missing. Please contact your dealer if there are any missing items.



XAG Rapid Charger  
X1



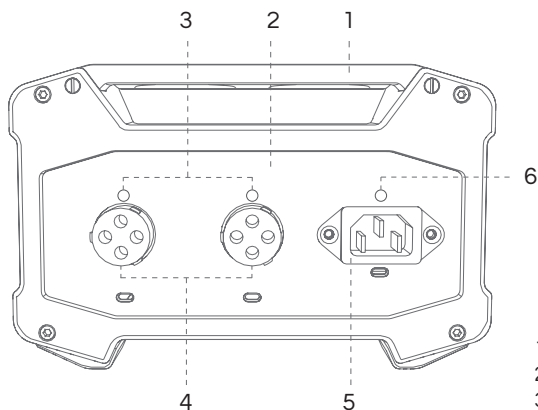
Power Cord  
X1



Charge Port  
X2

## XAG Rapid Charger

Main components introduction:

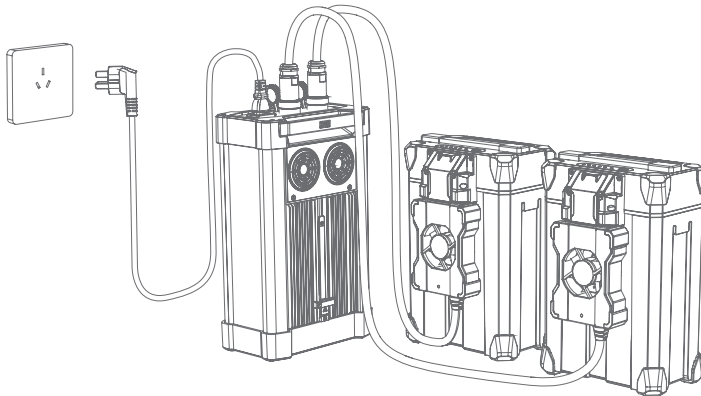


1. Handle
2. Status Indicator panel
3. Output status indicator
4. Charging socket
5. Input power socket
6. Input status indicator








## Steps for usage

1. Use the power cord to connect the input power socket and the AC source (AC90-260V 50/60Hz);
2. After waiting for all status indicators to turn on green, the charging manager is started;
3. Use the charging head to connect the charging socket and the P series smart battery; when the charging head is connected to the charging plug, it needs to be tightened clockwise, pay attention to the “click” lock sound.
4. Turn on the P series smart battery and start charging.

The connection diagram of the above steps is as follows:



## Description of Status Indicators

Input status indicator	LED	Status	Description
Green Light On		Normal	Normal
Red Light On		No Connection	Protection Enabled
Red Light Slow Flash		Undervoltage	Protection Enabled
Red Light Quick Flash		Undervoltage	Protection Enabled
Red Light Double Flash		Battery Overheated	Protection Enabled
Output status indicator	LED	Status	Description
Green Light On		Idle	Idle
Red Light On		Recharging	Recharging

## Technical Specifications

Model:	CM21500
Dimensions:	320mm×188mm×120mm
Weight:	Approx. 5.5kg
Charge Input:	AC 90-260V 50/60Hz
Charge Output:	DC 50-66V
Output current:	18A / 30A
Output power:	900W / 1500W
Operating Temperature:	-20-45°C
Storage Temperature:	-20-50°C
Operation Altitude:	≤3000m
Working humidity:	5-95%
Storage humidity:	10-90%
Overvoltage protection :	Support
Undervoltage protection :	Support
Over temperature protection :	Support
Output overcurrent protection :	Support
Output short circuit protection :	Support

## Notes

- Please keep all battery terminals clean and avoid contact with metal objects.
- If there is liquid or foreign matter on the charge port, immediately clean and remove the substance. Otherwise it may cause poor contact, resulting in short circuiting or charging failure.
- Do not expose the Battery Charger to sunlight or rain.
- Do not charge with AC power beyond the rated voltage range. Keep the Battery Charger away from flammable and explosive materials when charging, and do not leave it alone while it is being charged.
- If an error or warning is issued during the charging process, please turn the power off immediately, and resume use only after the product has been checked for safety.
- For safety, when charging, a distance of more than 30cm should be kept between two batteries, or between a battery and a charger, to avoid the malfunction of the charger or the battery, and more serious issues such as fire due to overheating.
- Regularly check the charge port, plug and other components before use. Do not use alcohol or other flammable agents to clean charging devices.
- When the Battery Charger is found damaged, stop using immediately and contact XAG or your dealer.
- Do not use damaged chargers. For repairs or replacement, please contact XAG's aftersales or designated dealers.
- Do not use the smart batteries or chargers other than the original ones manufactured by XAG. The user shall bear the responsibility for charging accidents, battery failures, flight accidents or other accidents caused by the use of batteries or chargers not provided by XAG.
- Do not modify or disassemble the Battery Charger without permission. The user shall be liable for any consequence caused by the unauthorized modification and disassembly of the Battery Charger.
- After use, remove the charge port from the Battery Charger, and keep both in a safe, clean and cool place.
- When the Battery Charger is found damaged, stop using the battery immediately and contact XAG or your dealer.
- During charging, ensure the charger is laid flat and the cable not exclusively bend.

## Disclaimer

1. Please read this document carefully before using this product. This Disclaimer has an important impact on the safe use of the product and your legitimate rights and interests. The use of the product shall be deemed as you have known, understood, acknowledged, and accepted all terms and contents of this document.
2. This product is not a toy, and is not suitable for people under the age of 18. Please keep this product away from the reach of children, and be very careful when operating in the presence of children.
3. This product must be charged with the charging devices provided by XAG. For product malfunction or damage caused by the use of other devices for charging, XAG does not bear any corresponding legal responsibility.
4. Please install and use this product as guided by the "Product Manual/User Manual". Do not modify or disassemble the product without authorization. All losses caused by the user's unauthorized modification or disassembly of this product shall be borne by the user, while XAG does not assume any corresponding legal responsibility.
5. To the maximum extent permitted by law, XAG shall not be liable for all losses caused by users' failure to use the product in accordance with this document and the "Product Manual/Operation Manual".
6. To the maximum extent permitted by law, XAG's liability or amount under any circumstances to you for all damages, losses, and litigation arising therefrom will not exceed the amount paid to XAG by you for the purchase of the product.
7. In any case, the purchaser or user shall comply with relevant laws and regulations of the country and region where the product is used. XAG does not assume any liability arising from violation of relevant laws and regulations by the purchaser or user.
8. As laws in some countries may prohibit exemptions from liability clauses, your rights in different countries may vary. This does not mean that the contents of this Disclaimer are necessarily invalid.
9. To the extent permitted by law, XAG has the final right to interpret and modify the above terms. XAG has the right to update, modify, or terminate these terms through its official website, the "Product Manual/Operation Manual", online APP and other means without prior notice.

## Warning

Users are required to read the complete “Product Manual” and be familiar with the product operations before using the product. Otherwise, it may cause serious injury to yourself or others, or cause product damage and property loss. Strong safety awareness is required to operate this product. Do not use the parts that are not provided or suggested by XAG. Please strictly follow the instructions of XAG to install and use the product.

## Certificate of Inspection

This product has passed  
inspection.

P-Series UAV Systems include supporting modules such as Airframe, Remote Controller, Battery, Operation Box, Liquid Refiller, Charger, RTK Rover, RTK Base Station, etc. Users may also check the “User Manuals” of the modules for a better use experience of the system.

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Visit our website ([www.xa.com/en](http://www.xa.com/en)) for more information



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This Manual is subject to upgrade without prior notice.

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