

# CM1250 Super Charger

User Manual

Version 1.2 **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 CM12500 Super Charger.

## Contact Us

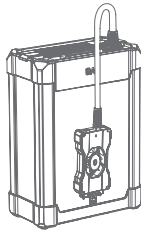
If you have any questions about this document, please contact our Technical Support via email: [info@xa.com](mailto:info@xa.com)

## Product Profile

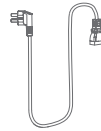
The CM12500 Super Charger features wide-voltage and external air-cooling, offering protection from under and overvoltage, overheating, as well as fault isolation, among other functions. While charging, it monitors battery status in real time. Once the battery is fully charged, it automatically powers off the battery. Model CM12500, it is compatible with all P series smart batteries.

## List of Items

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



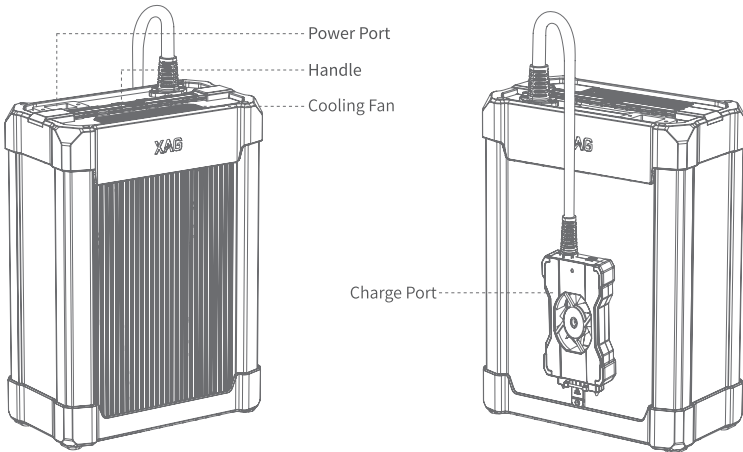
Super Charger  
X1













16A Power Cord  
X1

## Introduction

Panel:

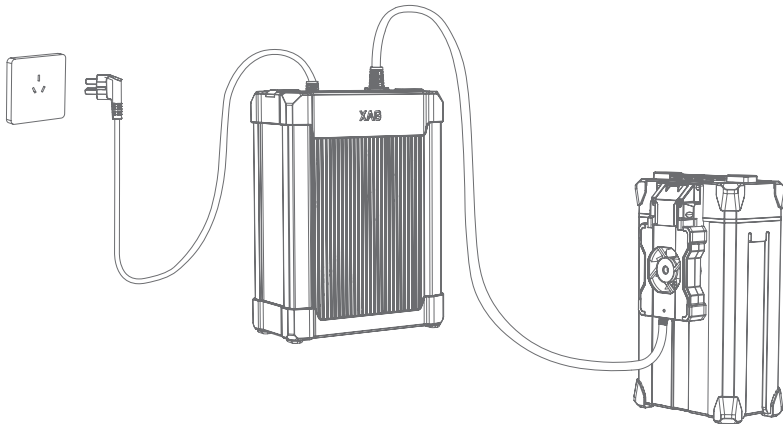


# Description of Status Indicators

Status Type	LED	Status	Description
Power Output	Green Light On 	Normal	Normal Input
	Green Light Flash 	Not Grounded	Charging at Risk
	Red Light On 	Device Fault	Temporarily locked. Prohibited from Output.
	Red Light Flash 	Device Overheated	Temporarily Locked. Prohibited from Output.
	Green Light On 	Idle	Idle
Power Output	Green Light Flash 	No Communication	Battery not Connected or Communication Failed.
	Red Light On 	Charging	Charging
Charge Port	Green Light On 	Normal	Communication Succeeded. Charging normally.
	Red Light On 	Irregular Communication	Communication Between Charge Port and Battery Failed.
	Red Light On 	Battery Overheated	Battery is overheated.

## Charge

Connect the 16A power cord to the power port and AC source (AC 90-260V 50/ 60Hz). Once the power indicator turns green, the power is on. Connect a P series smart battery with the charge port, then press the power button to turn on the battery and start charging. The connection diagram is shown below:



## Technical Specifications

Model: CM12500

Input: AC 90-175V~50/60Hz 23A (Max)

AC 180-260V~50/60Hz 23A (Max)

Output: DC 50-60V/25A (Max)/1250W (90-175V ~50/60Hz)

DC 50-60V/50A (Max)/2500W (180-260~50/60Hz)

Thermal Dissipation: External air cooling

Operating Temperature: -10°C ~45°C

Storage Temperature: -20°C ~50°C

Operation Altitude: ≤ 3000m

Weight: Approx. 9.0kg

Dimensions: 242\*137\*337mm

## 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 Super Charger to sunlight or rain.
- Do not charge with AC power beyond the rated voltage range. Keep 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 occurred 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, or worse 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 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 charger without permission. The user shall be liable for any consequence caused by the unauthorized modification and disassembly of the SuperCharger.
- After use, remove the charge port from the charger, and keep both in a safe, clean and cool place.
- When the charger is found damaged, stop using it immediately and contact XAG or your dealer.

## WARNING

This is a class A product which may cause radio interference to home appliances, in this case, the user may be required to take practical means to obviate the disturbances.

## Certificate of Inspection

**This product has passed  
inspection.**

## 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.

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.

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



info@xa.com



@XAGofficial



@XAG\_official



@XAG Official

[XA.COM/EN](http://XA.COM/EN)



This Manual is subject to upgrade without prior notice.

---

©XAG Co., Ltd. All Rights Reserved.

All information of this User Manual (including but not limited to any text description, illustrations, photos, methods and processes, etc.) belongs to XAG Co., Ltd. and is protected by copyright law. Without written authorization, no individual or institution is allowed to reproduce, extract, translate, distribute, or otherwise reproduce or quote any content hereof.