

**LKTOP**

# 100W 车载充电器

## 100W CAR CHARGER

User Manual

用户手册

 2024.07



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感谢您购买LKTOP 100W 车载充电器(以下简称“车载充电器”)。在使用车载充电器之前,请仔细阅读本声明,一旦使用本产品,即被视为对本声明全部内容的认可和接受。请严格遵守本说明使用该产品,并务必按照规定温度和功率条件下使用。因用户充电器使用不当而造成的直接或者间接损失与伤害,立刻飞概不负责。

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## 注意事项

- 使用本产品之前,请仔细阅读并遵循本文及本产品相关的所有安全与合规操作指引。
- 务必在汽车已启动的情况下使用车载充电器,以保证更好的充电效果。同时给智能飞行电池和遥控器充电时,充电时间会略有延长,请耐心等待。
- 充电过程中若点烟器松动或重新插入点烟器,请重新插拔智能飞行电池,否则可能出现不能充电的情况。
- 充电时,请远离可燃物,切勿将充电器或者电池置于地毯上充电。请勿用手或其他物体触碰电池接口的金属端子。若金属端子附着异物,请在电源关闭状态用干布擦拭干净。
- 请勿在阳光直射、雨淋或者潮湿环境中使用充电器。
- 充电器应远离热源、高压、水、可燃性气体、腐蚀性等危险物品。
- 若遇火警,请正确使用干粉灭火器进行灭火,使用液体类灭火器可能会有触电危险。
- 严禁在雷电及雷雨天气中使用充电器。
- 保持充电器内部干燥,切勿进入水、油等液体。
- 使用时请注意绝缘及防火。
- 取下车载充电器时应避免触碰车载充电器点烟器接口及汽车点烟口金属片,以防烫伤。
- 当不使用车载充电器时,请将其存放在干燥、阴凉的地方。

## 产品介绍

LKTOP 100W 车载充电器是一款专为无人机设备设计打造的高效率智能快速充电器。广泛兼容 (PPS/PD3.0/QC4+/QC3.0等协议) 主流无人机、智能设备;智能分配功率,单USB-C端口最高可达100W功率输出;100W 车载充电器具备欠压保护、过温保护等功能让无人机及智能设备在车载环境中得到稳定、安全的充电体验。

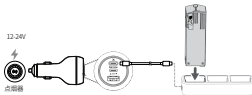


## 产品使用说明

### · 100W充电管家充电步骤

1. 将车载充电器连接点烟器电源接口,用USB-C线连接车载充电器与DJI Mavic 3系列100W充电管家为例。
2. 将智能飞行电池插入充电管家的充电口,充电管家将依次为三个电池进行充电。
3. 充电状态下智能飞行电池电量指示灯将会循环闪烁,并指示当前电池电量。
4. 等待设备充满电后(智能飞行电池充满时电量指示灯全部熄灭),请及时拔出相应设备。

\*务必在汽车启动的情况下使用车载充电器,确保最大功率大于120W,如果小于120W,建议口使用30W给无人机管家/机身充电。



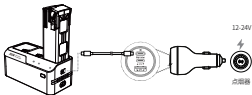
以DJI Mavic 3 系列100W充电管家为例

## 产品使用说明

### · 200W充电管家充电步骤

1. 将车载充电器连接点烟器电源接口, 用USB-C线连接车载充电器与LKTOP 200W Mavic 3系列三通道充电器为例。
2. 将智能飞行电池插入充电管家的充电口, 充电管家将同时为三个电池进行充电。
3. 充电状态下智能飞行电池电量指示灯将会循环闪烁, 并指示当前电池电量。
4. 等待设备充满电后(智能飞行电池充满时电量指示灯全部熄灭), 请及时拔出相应设备。

\*务必在汽车启动的情况下使用车载充电器, 确保最大功率大于120W, 如果小于120W, 建议C口使用60W给无人机管家/机身充电。



以LKTOP 200W Mavic 3系列三通道充电器为例

### · 飞行器充电步骤

1. 将车载充电器连接点烟器电源接口。
2. 在智能飞行电池关闭的状态下, 将飞行器与车载充电器进行连接, 用USB-C线连接车载充电器与DJI Mavic 3系列飞行器。
3. 充电状态下智能飞行电池电量指示灯将会循环闪烁, 并指示当前电池电量。
4. 等待设备充满电后(智能飞行电池充满时电量指示灯全部熄灭), 请及时拔出相应设备。

\*务必在汽车启动的情况下使用车载充电器, 确保最大功率大于120W, 如果小于120W, 建议C口使用60W给无人机管家/机身充电。



以DJI Mavic 3系列飞行器为例

- ⚠️ 充无人机电池管家时，注意把车内空调温度调整到20度以内，建议使用车充延长线把车充主体放在出风口散热。
- 充电时请将车载充电器放置在平稳安全处，并勿使用其它物品覆盖，以保证充电器的正常散热。
- 务必在汽车已启动的情况下使用车载充电器，以保证更好的充电效果。同时给智能飞行电池和遥控器充电时，充电时间会略有延长，请耐心等待。
- 充电过程中若点烟器松动或重新插入点烟器，请重新插拔智能飞行电池，否则可能出现不能充电的情况。
- 取下车载充电器时应避免触碰车载充电器点烟器接口及汽车点烟口金属片，以防烫伤。

## 产品规格参数

产品名称:	LKTOP 100W 车载充电器
产品型号:	LKCC-100 / LKCC-100P
充电环境温度:	5 - 40°C USB-C1输出功率 ≤ 65W 5 - 30°C USB-C1输出功率 ≤ 80W 5 - 20°C USB-C1输出功率 ≤ 100W
输入电压:	12 - 24V = 15A
直流输出:	USB-C1: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=5A 100W Max USB-C2: 5V=3A, 9V=3A, 12V=2.5A 30W Max USB-A1: 5V=3A, 9V=3A, 12V=2.5A 30W Max
C1+C2/A1输出:	100W+30W=130W Max
适配产品:	DJI Mavic 3 Pro, DJI Mavic 3 Pro Cine, DJI Mavic 3 Classic DJI Mavic 3, DJI Mavic 3 Cine, DJI Mavic 3T, DJI Mavic 3E DJI Air 3, DJI Avata, DJI Avata 2, DJI Goggles 2 电池 DJI Mini 4 Pro/Mini 3 系列双向充电管家 LKTOP Mini 4 Pro/Mini 3 系列双向充电管家 (MM433-37) LKTOP 100W Mini 4 Pro/Mini 3 系列双向充电管家 (MM433-100) LKTOP 200W Mavic 3 系列三通道充电器 LKTOP 200W Air 3 三通道充电管家 LKTOP POWER K1 闪充宝 支持其它快充协议 (PD/QC/PPS等) 的电子设备

## 产品规格参数

单个设备充电时间*:	DJI Mavic 3 智能飞行电池:约 1 小时 10 分钟
	DJI Air 3 智能飞行电池:约 1 小时
	DJI Mini 4 Pro 智能飞行电池:约 58 分钟
	DJI Mini 3 智能飞行电池:约 56 分钟
	DJI Avata 智能飞行电池:约 47 分钟
	DJI Avata 2 智能飞行电池:约 45 分钟
	DJI Goggles 2 电池:约 1 小时 50 分钟
	DJI RC-N1 遥控器:约 2 小时 40 分钟
	DJI RC 遥控器:约 2 小时
	DJI RC Pro 遥控器:约 2 小时

产品尺寸: 83.5mm\*42.75mm

包装尺寸: 97mm\*75mm\*44mm

产品重量: 82.7g ± 10g(不包含线材重量)

\*充电时间均为实验环境下测得,仅供参考。

PS:本页面所示重量/尺寸信息均为手工测量,仅供参考,实际数据可能会因个体差异环境变化,或产品不同批次,批次等原因造成变化,具体以实物为准。

## Disclaimers

Thank you for purchasing the LKTOP 100W CAR CHARGER (hereinafter referred to as the "Car Charger"). Before using the Car Charger, please carefully read this statement. Once using this product, it is deemed that you acknowledge and accept all the contents of this statement. Please strictly follow these instructions when using this product and be sure to use it under the specified temperature and power conditions. LKF is not responsible for any direct or indirect losses or injuries caused by improper use of the user's charger.

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## Precautions for product use

- Before using this product, please carefully read and follow all safety and compliance instructions related to this article and this product.
- Be sure to use the car charger when the car is already started to ensure better charging performance. When charging the intelligent flight battery and remote control simultaneously, the charging time may be slightly extended. Please be patient.
- If the cigarette lighter becomes loose or reinserted during the charging process, please reinsert the smart flight battery, otherwise it may not charge properly.
- When charging, please keep away from flammable materials and do not place the charger or battery on the carpet for charging. Do not touch the metal terminals of the battery interface with your hands or other objects. If there are foreign objects attached to the metal terminals, please wipe them clean with a dry cloth when the power is turned off.
- Do not use the charger in direct sunlight, rain, or humid environments.
- Chargers should be kept away from hazardous materials such as heat sources, high pressure, water, flammable gases, corrosive agents, etc.
- In case of fire, please use dry powder fire extinguishers correctly to extinguish the fire. Using liquid fire extinguishers may pose a risk of electric shock.
- It is strictly prohibited to use chargers in thunderstorms and thunderstorms.
- Keep the inside of the charger dry and avoid entering liquids such as water and oil. Please pay attention to insulation and fire prevention when using.
- When removing the car charger, avoid touching the cigarette lighter interface of the car charger and the metal plate of the car cigarette lighter to prevent burns.
- When not using the car charger, please store it in a dry and cool place.

## Product Introduction

LKTOP 100W CAR CHARGER is a high-efficiency intelligent and fast charger designed specifically for drone devices. Widely compatible with mainstream drones and intelligent devices (protocols such as PPS/PD3.0/QC4+/QC3.0); Intelligent power allocation, with a maximum power output of 100W per USB-C Port; The 100W Car Charger has functions such as undervoltage protection and over temperature protection, allowing drones and smart devices to have a stable and safe charging experience in the car environment.

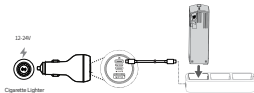


## Product instructions

### · 100W Charging Hub Charging Steps

1. Connect the car charger to the cigarette lighter power interface, using USB-C cable to connect the Car Charger to DJI Mavic 3 Series 100W Charging Hub as an example
2. Insert the intelligent flight battery into the charging port of the Charging Hub, who will charge the three batteries in sequence.
3. In the charging state, the intelligent flight battery level indicator light will cycle and flash, indicating the current battery level.
4. Wait for the device to be fully charged (when the intelligent flight battery is fully charged, all the battery indicator lights will turn off), please unplug the corresponding device in a timely manner.

\*Be sure to use the in car charger when the car is started, ensuring that the in car power is greater than 120W. If it is less than 120W, it is recommended to use a 60W cable at the C1 port to charge the drone hub /body.



Taking DJI Mavic 3 Series 100W Charging Hub as an example

## Product instructions

### · 200W Charging Hub Charging Steps

1. Connect the car charger to the cigarette lighter power interface, using USB-C cable to connect the Car Charger to LKTOP 200W Mavic 3 Series Three-Way Charger as an example.
  2. Insert the intelligent flight battery into the charging port of the Charging Hub, who will charge the three batteries in sequence.
  3. In the charging state, the intelligent flight battery level indicator light will cycle and flash, indicating the current battery level.
  4. Wait for the device to be fully charged (when the intelligent flight battery is fully charged, all the battery indicator lights will turn off), please unplug the corresponding device in a timely manner.
- \*Be sure to use the in car charger when the car is started, ensuring that the in car power is greater than 120W. If it is less than 120W, it is recommended to use a 60W cable at the C1 port to charge the drone hub /body.




Taking LKTOP 200W Mavic 3 Series Three-Way Charger as an example

### · Drone Charging Steps

1. Connect the car charger to the cigarette lighter power interface.
  2. Connect the aircraft to the onboard charger while the intelligent flight battery is turned off. Connect the car charger to the DJI Mavic 3 Series drone using a USB-C cable.
  3. In the charging state, the intelligent flight battery level indicator light will cycle and flash, indicating the current battery level.
  4. Wait for the device to be fully charged (when the intelligent flight battery is fully charged, all the battery indicator lights will turn off), please unplug the corresponding device in a timely manner.
- \*Be sure to use the in car charger when the car is started, ensuring that the in car power is greater than 120W. If it is less than 120W, it is recommended to use a 60W cable at the C1 port to charge the drone hub /body.



Taking the DJI Mavic 3 Series drone as an example

-  When charging the drone battery hub, pay attention to adjusting the temperature of the car's air conditioning to within 20 degrees. It is recommended to use a car charging extension cable to place the car charging body in the air vent for heat dissipation.
- When charging, please place the car charger in a stable and safe place and do not cover it with other items to ensure normal heat dissipation of the charger.
  - It is recommended to use an in car charger when the car is already started to ensure better charging performance. When charging the intelligent flight battery and remote controller simultaneously, the charging time may be slightly extended. Please be patient.
  - If the cigarette lighter becomes loose or reinserted during the charging process, please reinsert and unplug the smart flight battery, otherwise it may not charge properly.
  - When removing the car charger, avoid touching the cigarette lighter interface of the car charger and the metal plate of the car cigarette lighter to prevent burns.

## Basic product parameters

Product Name:	LKTOP 100W CAR CHARGER
Product Model:	LKCC-100 / LKCC-100P
Charging Environment Temperature:	5-40 °C USB-C1 output power ≤ 65W 5-30 °C USB-C1 output power ≤ 80W 5-20 °C USB-C1 output power ≤ 100W
Input Voltage:	12 - 24V = 15A
Output Parameters:	USB-C1: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=5A 100W Max USB-C2: 5V=3A, 9V=3A, 12V=2.5A 30W Max USB-A1: 5V=3A, 9V=3A, 12V=2.5A 30W Max
C1+C2/A1 Output:	100W+30W=130W Max

## Basic product parameters

Adapted products:	DJI Mavic 3 Pro, DJI Mavic 3 Pro Cine, DJI Mavic 3 Classic DJI Mavic 3, DJI Mavic 3 Cine, DJI Mavic 3T, DJI Mavic 3E DJI Air 3, DJI Avata, DJI Avata 2, DJI Goggles 2 Battery DJI Mini 4 Pro/Mini 3 Series Two-way Charging Hub LKTOP Mini 4 Pro/Mini 3 Series Two-way Charging Hub (MM433-37) LKTOP 100W Mini 4 Pro/Mini 3 Series Two-way Charging Hub (MM433-100) LKTOP 200W Three-Way Charging Hub For Air 3 LKTOP 200W Mavic 3 Series Three-Way Charger LKTOP POWER K1 Electronic devices that support other fast charging protocols (PDI/QC/PPS, etc.)
Single device charging time*:	DJI Mavic 3 intelligent flight battery: about 1 hour and 10 minutes DJI Air 3 intelligent flight battery: about 1 hour DJI Avata intelligent flight battery: about 47 minutes DJI Avata 2 intelligent flight battery: about 45 minutes DJI Goggles 2 battery: about 1 hour and 50 minutes DJI Mini 4 Pro intelligent flight battery: about 58 minutes DJI Mini 3 intelligent flight battery: about 56 minutes DJI RC-N1 remote controller: about 2 hours and 40 minutes DJI RC remote controller: about 2 hours DJI RC Pro remote controller: about 2 hours
Product size:	83.5mm*42.75mm
Packaging size:	97mm*75mm*44mm
Product weight:	82.7g ± 10g (excluding wire weight)

\* The charging time was measured in the experimental environment and is for reference only.

PS: The weight/size information shown on this page is manually measured and is for reference only. Actual data may vary due to individual differences, environmental changes, or product batches, iterations, and other reasons, and the actual product shall prevail.

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本手册如有更新，恕不另行通知。

You can check the latest version on the LKTOP official website

您可以在LKTOP官方网站查询最新版本

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If you have any questions or suggestions about the manual, please contact us via the following email:

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