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Charging Limit Control & Real-Time Monitoring

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Anker Charging Manager

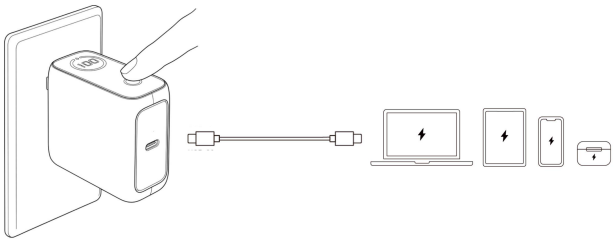
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Software

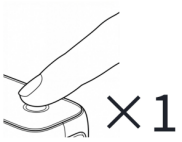
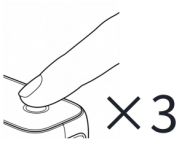
Charging

Other

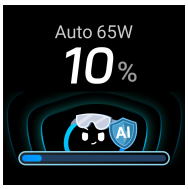
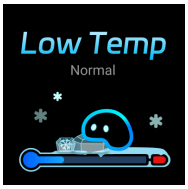
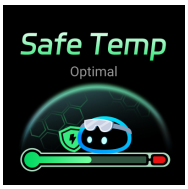
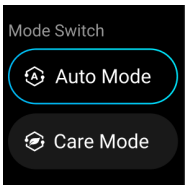
Charging Your Devices

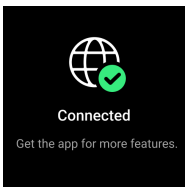
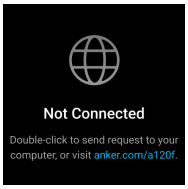
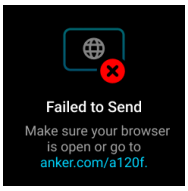


Button Controls

	Switch pages
	Switch modes (on the mode page)
	Rotate screen display
	Turn screen off

Screen Display Guide

	Displays the detected model when connected to power
 	Displays the current output
  	Displays the real-time temperature status
	Double tap to switch modes

 	Displays the connection status between the charger and the software
	Displays when the connection request fails. Make sure your computer is connected to the charger and your Chrome or Edge browser is open before sending the request again.

Specifications

Total Wattage	100W
Input	100 - 240V~, 50 - 60Hz, 2.3A Max
Output	5.0V ⎓3.0A, 15.0W / 9.0V ⎓3.0A, 27.0W / 15.0V ⎓3.0A, 45.0W / 20.0V ⎓5.0A, 100.0W (100W Max)

Connect your charger to a 2021 Apple MacBook Pro (16") using a USB-C to MagSafe 3 cable to achieve maximum power (100W) from a single port (USB-C).

Product Usage Tips

Product Features

Smart Device Recognition & Adaptive Charging

- Automatically detects the connected laptop model and current battery level.
- In Care Mode, the charger matches a gentler charging curve based on the battery characteristics of the detected model, reducing battery wear over time.

Connects with PC Software for Continuous Updates

Works with Anker Charging Manager, a companion PC app. Download and open the app, then charge your laptop using the included cable (or any USB-C to USB-C cable) to connect the charger to the app. Once connected, you can customize additional settings and receive OTA firmware updates to support future devices.

Charging Limit Control & Real-Time Monitoring

Use Anker Charging Manager to set a charging limit for your laptop (e.g., 80%) and monitor battery health, temperature, and power in real time.

Notes

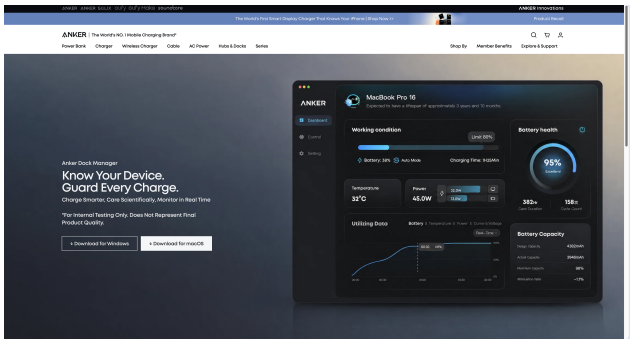
- Device recognition supports Windows laptops, MacBooks, and iPhones. Windows laptops require Anker Charging Manager installed for model recognition.
- Download Anker Charging Manager at anker.com/a120f (available for macOS and Windows). It supports charging limit control on MacBooks and Windows laptops, though some Windows models also require the official battery management driver from the PC manufacturer (e.g., Lenovo, Dell, ASUS).
- MacBook users should turn off "Optimized Battery Charging" in macOS System Settings before using the charging limit feature, to avoid conflicts with Anker Charging Manager.

Why Does the Charger Recognize Device Models and Include Care Mode?

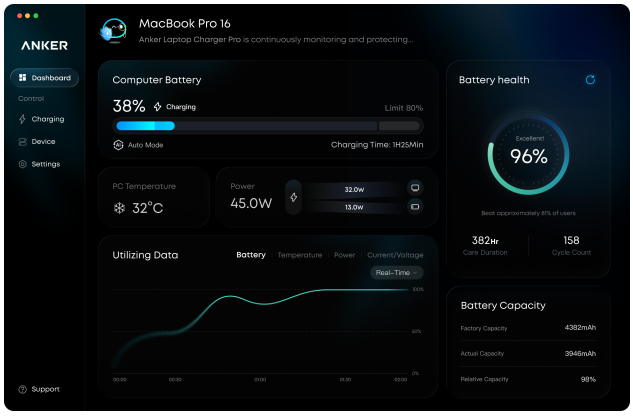
- Different laptops have different battery characteristics, and a one-size-fits-all charging approach can cause unnecessary battery wear.
- Care Mode works by identifying the device model along with its battery capacity and rated voltage, then adapting the charging power and curve accordingly — rather than simply charging at full speed.
- In Anker Labs testing, Care Mode was shown to extend the cycle life of the lithium batteries tested by up to 40%.
- The Care Mode in Anker Laptop Charger Pro applies this same principle, offering real protection for your laptop at the charging-strategy level.

Anker Charging Manager

Visit anker.com/a120f to download and install the software.

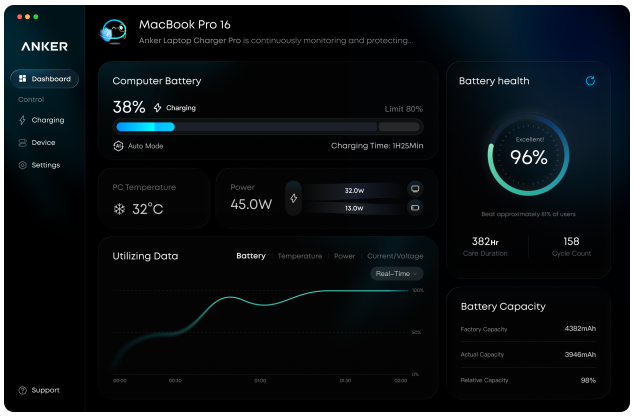


To connect the charger to the app, simply open the app while charging your laptop with the charger — it will connect automatically within about 1 minute.



Dashboard

View detailed charging information such as temperature, power, and battery health to better understand your laptop's charging and battery status.



Charging

Control the charger's charging mode.

> **Auto Mode:** The charger detects the model and charges at the optimal speed.

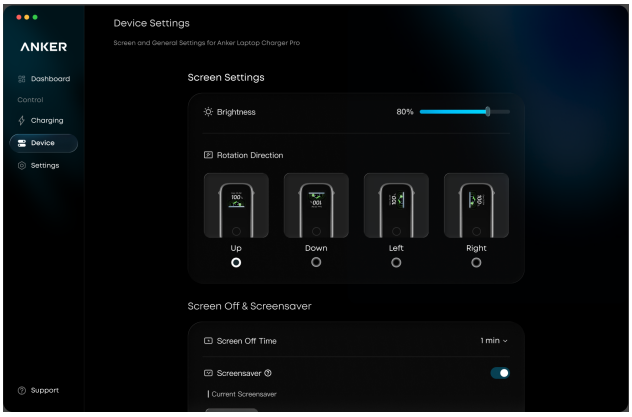
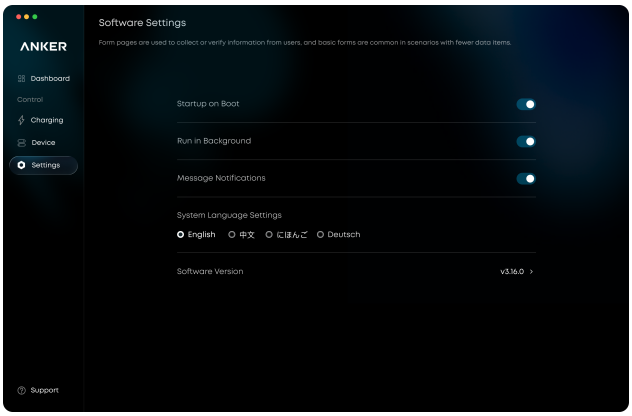
> **Care Mode:** The charger detects the device model and applies a battery-friendly charging curve.

Set a charging limit for your laptop — once it reaches the set battery level, it stops charging the battery and runs directly on power from the charger.



Tips:

Some Windows models also require the official battery management driver from the PC manufacturer (e.g., Lenovo, Dell, ASUS) to enable charging limit control.

Device Customize additional settings, such as screen brightness, rotation direction, and other general settings.	
Settings Configure settings for the app.	

FAQs

Software

Q: Can the charger work normally without the app? Will charging performance be affected?

A: Yes. A120F can charge your devices normally even without the companion app. The app is an optional feature that unlocks battery protection mode, charging limit settings, screen brightness, rotation, language and screensaver customization, and OTA firmware updates. Not installing the app will not affect basic charging performance.

Q: What should I do if screensaver image fails to upload or displays incorrectly? Why doesn't the screensaver appear immediately after I set it?

A:

- First, make sure the image meets these requirements: PNG, JPG, BMP, and other common static image formats are supported; animated GIFs are not supported. The file size must be <=20 MB. The system automatically center-crops the image to a 1:1 aspect ratio at 240 × 240 resolution before transferring it to the charger.
- Make sure the charger has a stable connection to the app before uploading. If the upload fails, check your network connection and try again. If the issue persists, update the firmware to the latest version and retry.
- A custom screensaver will not appear immediately after you set it. It appears only after the configured screen-off time is reached. The factory default screen-off time is 5 minutes. If you set a longer screen-off time, the screensaver will take longer to appear. To see it sooner, shorten the screen-off time. Tapping the charger's touch button will wake the screen and exit the screensaver. To keep the screensaver displayed, avoid accidental touches.
- You can also press and hold the button for 2 seconds to turn off the screen manually, then wait for the screensaver to appear.
- If the screensaver still does not appear after being enabled, check the connection between the app and charger and make sure the firmware is up to date.

Q: Will the app collect or upload my personal data?

A: No. The app reads device status information from your laptop, such as brand, model, battery level, and temperature, only to match charging modes and enable battery protection features. All data is processed locally. It is not uploaded or stored, and it does not leave your computer. For details, see the Privacy Policy in the app's Support section.

Q: How do I update the firmware via OTA? Will charging be affected during the update?

A: After connecting the charger to the app, go to Device Settings and select "Firmware Version" to start the OTA update. The update takes about 10 minutes and does not affect normal laptop charging. Keep the connection stable during the update. Do not disconnect power or cables, shut down the computer, or let it go to sleep.

Q: What should I do if the firmware update fails?

A:

- Before updating, make sure you are using the latest official version of the app and that the charger has a stable connection to the computer.
- If the update still fails, follow the instructions in the e-manual and try the OTA update again. Make sure the app is still the latest official version. If the issue persists, contact Customer Support.
- During the OTA update, keep the charger stably connected to the laptop. Do not disconnect power or cables, shut down the computer, or let it go to sleep. If the connection is interrupted and causes the update to fail or the screen to display abnormally, successfully completing the OTA again should restore normal operation.

Q: What should I do if the charger display looks abnormal during an OTA update?

A:

- If the display looks abnormal during the update, wait for the update to finish and check whether the display returns to normal.
- If the display is still abnormal after the update is complete, power-cycle the charger and check again.
- During the update, keep the charger stably connected to the computer. Do not disconnect power or cables, shut down the computer, or let it go to sleep.

Q: Why doesn't the charging limit take effect after I set it?

A:

- Charging limit control currently supports only MacBook models released in 2021 or later. Windows laptops can run the app normally, but charging limit control is not currently supported. Charging mode control, OTA updates, and other features still work normally.
- If the charging limit still does not work on a supported Mac model, check whether another charging limit has been set in the computer's built-in battery management utility. If so, disable it first, then adjust the limit in the Anker app.
- When adjusting the charging limit, the system may ask for authorization using your password or fingerprint. For the supported model list, refer to the app download page.

Q: Why can't I connect to Anker Charging Manager when using a USB hub or docking station?

A: This depends on the type of USB-C port on the hub. A hub's USB-C port typically cannot support both normal charging and app connectivity at the same time. When A120F is connected to the hub's PD charging port, it can charge normally but cannot connect to the app. When connected to a data port, it can connect to the app but cannot charge normally.

Try the following:

- Make sure the charger is powered on.
- Use a USB-C cable that supports data transfer, not a charge-only cable.
- Make sure the system has authorized the device connection.
- Make sure the app is up to date.
- Bypass the hub or dock and connect A120F directly to the laptop.

Q: What should I do if I send the app installer through a third-party messaging app and it won't open after installation?

A: When the installer is transferred through a messaging app, the app may automatically add a tag to the file, which can prevent it from opening after installation. Download the installer directly from the official website at anker.com/a120f or anker.com/chargingmanager, or avoid transferring the installer through third-party messaging apps.

Charging

Q: Why is the charging speed lower than expected? Is it normal for the charger to get warm?

A: A120F supports up to 100W output. Actual charging power depends on how much power the connected device draws. It is normal for a 100W charger to generate heat under heavy load. A120F is IEC 62368-certified and has a V0 flame-retardant housing, and its temperature remains within safe limits. For optimal charging and heat dissipation, use it at an ambient temperature of around 25°C (77°F).

Q: The battery level shown on the charger or app doesn't match my device. Is this a malfunction?

A: No. The charging power shown on the charger display and the battery level displayed for your phone or computer may differ from the device's own readings by about ±1%. This is normal. Use the battery level shown by your device as the reference.

Q: Which models support charging limit control?

A: Charging limit control currently supports only MacBook models released in 2021 or later. Windows laptops can run Anker Charging Manager normally, but charging limit control is not supported. Charging mode control, OTA updates, and other features still work normally. The supported model list is available on the app download page.

Q: What's the difference between Auto (Smart) Mode and Care (Protection) Mode, and when should I use each one?

A:

- Auto (Smart) Mode provides the fastest available charging speed when needed, making it suitable for travel, working on the go, gaming, and other situations that require quick charging or sustained high-power output.
- Care (Protection) Mode slightly reduces charging speed and extends charging time to help protect the battery. It is better suited for non-urgent everyday use such as desk work, home entertainment, or overnight charging.
- The charger displays Auto / Care, while the app displays Smart / Protection. These are different names for the same two modes.

Q: Why do I see a "Slow charger" message when I connect this product to my Dell computer?

A: Many Dell computers have strict charging requirements. Using a third-party charger may trigger a slow-charging warning. Refer to the specifications of your original charger and adjust the Anker charger's power allocation in Custom Mode accordingly.

Q: Why does my MacBook say "Battery is not charging"?

A: Your MacBook may display "Battery is not charging" in either of the following situations. Both are normal and do not indicate a malfunction:

- Right After Connecting: When a MacBook is connected to a third-party adapter, there may be a short delay before the charging status updates. Charging may already have started even though the icon has not changed. After the MacBook finishes recognizing the adapter information, usually within a few dozen seconds, the plug icon will change to the charging icon.
- After Reaching the Charging Limit: When the battery reaches the charging limit you set, the charger pauses charging to help protect the battery. The MacBook will show "Battery is not charging." Charging will resume automatically after the battery level drops.

Other

Q: Which devices support model identification?

A: On the device side, model identification supports MacBook, iPhone, and iPad models released in 2021 or later. Android devices are not supported. Windows laptops can also be identified after Anker Charging Manager is installed. The model is identified by reading system information, so modifying that information may cause the model to be displayed incorrectly. Whether model identification succeeds or not, it does not affect Care Mode's ability to match the appropriate charging curve.