

BLESYS A1706

BLESYS A1819 Replacement Battery Instruction Manual for MacBook Pro 13-inch A1706 (2016-2017)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your BLESYS A1819 replacement battery. Please read this guide carefully before proceeding with the installation to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

The BLESYS A1819 battery is a high-performance lithium polymer replacement designed for specific MacBook Pro models. It features:

- **High Capacity:** 11.4V, 4314 mAh / 49.2 Wh, utilizing 6 Grade A cells for extended laptop use.
- **Enhanced Safety:** Built-in circuit protection mechanisms ensure safe charging, discharge, and temperature control, preventing overcharge, over-discharge, over-current, and short-circuiting.
- **Reliable Performance:** Engineered for fast charging and low power consumption, providing stable and consistent power delivery.

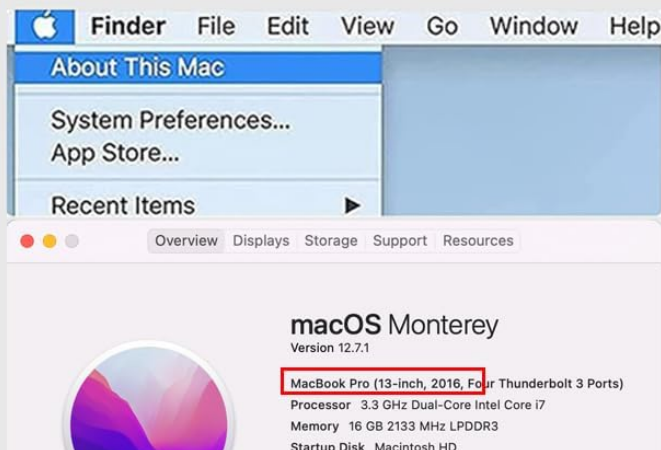
How to check your laptop model ?

*Please check the laptop model as well as year and size before ordering.

- 1 Look for the model number printed on the back of your laptop.



- 2 Check the size and release year of your MacBook.



This battery is suitable for the following MacBook models.

for MacBook Pro 13" A1706 (2016) EMC 3071
for MacBook Pro 13" A1706 (2017) EMC 3163

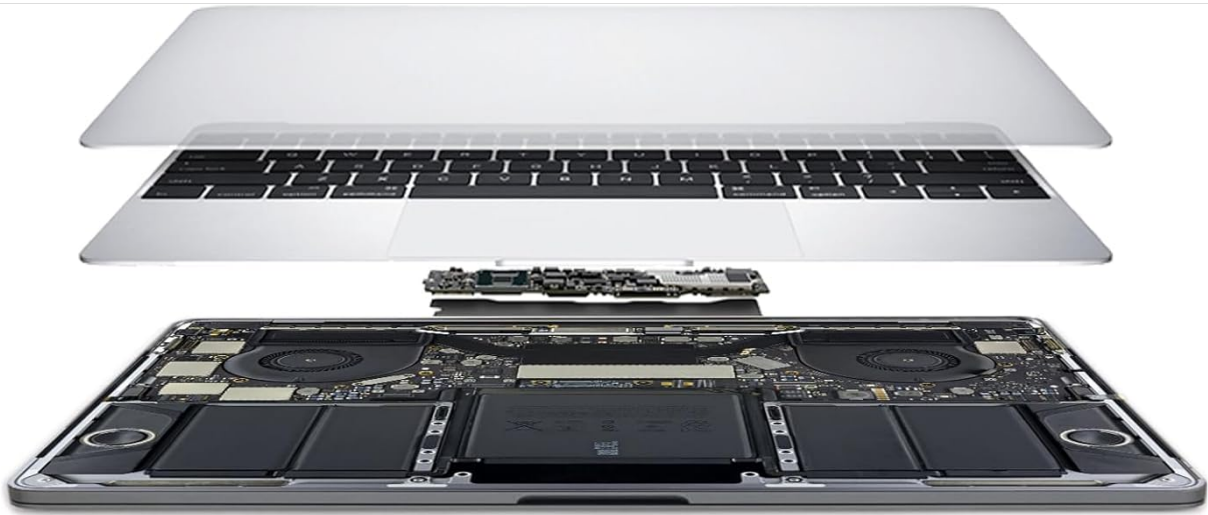
Image: The BLESYS A1819 replacement battery, showing its compact design and connector.

3. COMPATIBILITY

This BLESYS A1819 battery is specifically designed for the following Apple MacBook Pro models:

- **MacBook Pro 13-inch A1706 (Late 2016)** with Touch Bar, EMC 3071
- **MacBook Pro 13-inch A1706 (Mid 2017)** with Touch Bar, EMC 3163

Before installation, verify your MacBook Pro's model number and year to ensure compatibility. This information can typically be found on the back of your laptop or by accessing "About This Mac" from the Apple menu.



BLESYS A1819 Battery

Perfect fit for MacBook Pro 13" A1706

Battery P/N	Laptop Model	P/N	Mac ID
A1819	A1706	MLH12xx/A MLVP2xx/A MNQF2xx/A MNQG2xx/A MPDK2xx/A MPDL2xx/A MPXV2xx/A MPXW2xx/A MPXX2xx/A MPXY2xx/A MQ002xx/A MQ012xx/A	MacBookPro13,2 MacBookPro14,2
	Year		EMC
	2016 2017		EMC 3071 EMC 3163

Image: A visual guide demonstrating how to check your MacBook Pro's model number on the back cover and through the "About This Mac" system information.



Battery interface

Using upgraded materials to make power transmission better and safer

CE/ROHS/FCC/PSE

Certified for safety



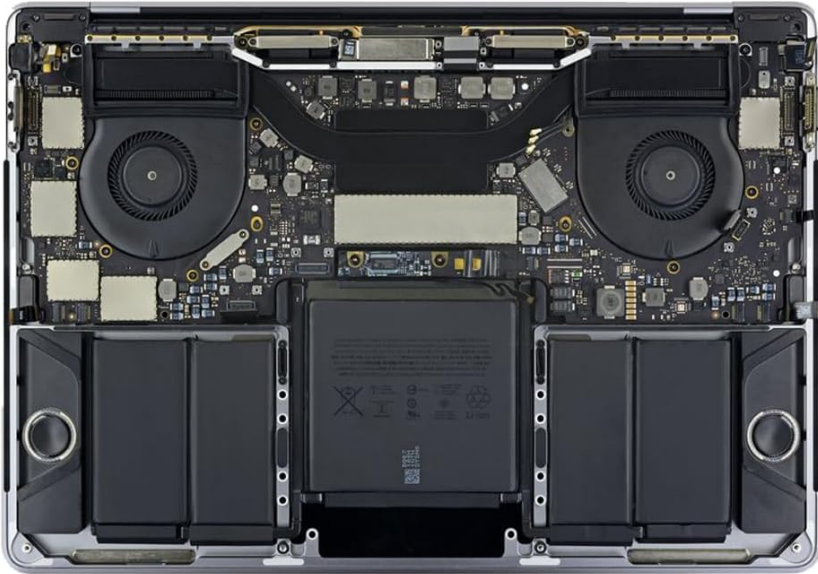
Image: A detailed compatibility table showing the BLESYS A1819 battery part number, compatible laptop models (A1706), corresponding P/N (e.g., MLH12xx/A), Mac IDs (MacBookPro13,2, MacBookPro14,2), and EMC numbers (3071, 3163) for 2016 and 2017 models.

4. PACKAGE CONTENTS

Your BLESYS A1819 replacement battery package includes:

- 1 x BLESYS A1819 Replacement Battery
- Necessary removal and installation tools (screwdrivers, suction cup, spudger)

Ease of installation



Installation video



*Dismantling tools and installation video included in the product.



Dismantling tools

Image: The BLESYS A1819 battery alongside the included dismantling tools, such as screwdrivers, a suction cup, and a plastic spudger, designed to assist with the installation process.

5. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the battery or your device, and to avoid personal injury:

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose the battery to fire, high temperatures, or water.
- Use only the designated charger for this battery.
- Keep the battery away from children.
- If the battery appears damaged, swollen, or leaks, discontinue use immediately.
- Dispose of used batteries according to local regulations.

Product size

1:1 model designed to perfectly match your laptop

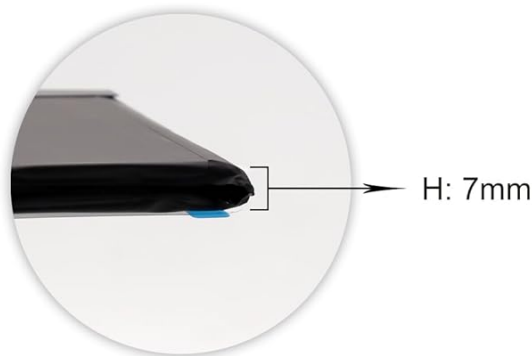


Image: The BLESYS A1819 battery displaying CE, RoHS, FCC, and PSE certifications, indicating compliance with international safety and environmental standards.

6. SETUP (INSTALLATION)

Replacing a MacBook Pro battery requires technical skill and careful handling. While necessary tools are provided, detailed step-by-step instructions are not included in this manual. It is highly recommended to consult reliable online resources, such as video tutorials from reputable repair guides (e.g., iFixit), before attempting installation.

1. **Preparation:** Power off your MacBook Pro completely and disconnect it from any power source.
2. **Disassembly:** Carefully open the back cover of your MacBook Pro using the provided tools. Disconnect the old battery.
3. **Old Battery Removal:** The original battery is typically secured with adhesive. Exercise extreme caution when removing it to avoid puncturing the battery cells.
4. **New Battery Installation:** The BLESYS A1819 battery comes with pre-applied adhesive. Turn the battery over and carefully peel off the inner liner to expose the adhesive before securing the battery in place.
5. **Connection:** Connect the new battery to the logic board.

6. **Reassembly:** Carefully reattach the back cover and secure all screws.

Note: Incorrect installation can damage your device. If you are unsure, seek professional assistance.

Battery comes with adhesive

Please turn it over and carefully peel off the inner liner to expose the adhesive before securing the battery.



Image: The BLESYS A1819 battery showing its adhesive backing, which needs to be exposed by peeling off a protective liner before installation into the laptop chassis.

7. OPERATING INSTRUCTIONS

7.1 First Use and Calibration

After installing the new battery, it is recommended to perform a calibration cycle for optimal performance and accurate battery reporting:

1. Fully charge the battery to 100%.
2. Keep the laptop plugged in for at least two more hours after it reaches 100%.
3. Unplug the power adapter and use the laptop until the battery is completely drained and the laptop shuts down

automatically.

- Let the laptop rest for at least 5-6 hours.
- Plug in the power adapter and charge the battery to 100% without interruption.

This calibration process helps the battery management system accurately estimate the battery's capacity and remaining charge.

7.2 Normal Charging and Usage

- Use your original Apple power adapter or a certified compatible charger.
- Avoid frequently draining the battery to 0% or keeping it at 100% for extended periods. Optimal battery health is maintained by keeping the charge between 20% and 80%.
- If storing the laptop for a long time, charge the battery to about 50% before storage.

8. MAINTENANCE

- Temperature:** Avoid exposing your laptop to extreme temperatures (very hot or very cold), as this can degrade battery performance and lifespan.
- Cleaning:** Keep the laptop's vents clear of dust to ensure proper cooling, which indirectly benefits battery health.
- Software Updates:** Keep your macOS updated, as Apple often releases power management improvements.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not recognized or charging	Incorrect installation, loose connection, software issue.	Recheck battery connection. Reset SMC (System Management Controller). Ensure macOS is updated.
Poor battery life	Incomplete calibration, high power consumption by applications, degraded battery.	Perform battery calibration (Section 7.1). Check Activity Monitor for power-hungry apps. Ensure proper cooling.
Battery swelling	Overheating, manufacturing defect, end of lifespan.	Immediately discontinue use. Remove the battery carefully if safe to do so. Contact BLESYS customer support for replacement.

10. SPECIFICATIONS

Feature	Detail
Battery Model	A1819

Feature	Detail
Compatible Laptop Model	MacBook Pro 13-inch A1706 (Late 2016 - Mid 2017)
Battery Type	Lithium Polymer (Li-Po)
Voltage	11.4 V
Capacity	4314 mAh / 49.2 Wh
Number of Cells	6 (Grade A)
Product Dimensions (L x W x H)	24 x 11 x 0.7 cm
Battery Weight	207 Grams
Certifications	CE, RoHS, FCC, PSE



Image: A diagram illustrating the physical dimensions of the BLESYS A1819 battery, showing its length (240mm), width (110mm), and height (7mm).

11. WARRANTY AND SUPPORT

BLESYS offers the following for your product:

- **Return Policy:** 30-day unconditional return policy.
- **Warranty:** 12-month warranty from the date of purchase.
- **Customer Support:** For any questions, concerns, or assistance with installation, please contact BLESYS customer service via email. Your feedback and suggestions are valued.

Please retain your proof of purchase for warranty claims.