

Baseus PPAP-20E5

Baseus EnerGeek 145W 20800mAh Laptop Power Bank User Manual

Model: PPAP-20E5 | Brand: Baseus

1. INTRODUCTION

Thank you for choosing the Baseus EnerGeek 145W 20800mAh Laptop Power Bank. This external battery is designed to provide high-speed charging for a wide range of devices, including laptops, smartphones, and tablets, with its advanced PD 3.0 technology and digital display. This manual provides essential information for the safe and efficient operation of your power bank.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Baseus EnerGeek 20800 mAh 145 W Power Bank
- 1 x USB-C Charging Cable
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The Baseus EnerGeek Power Bank features a compact design with multiple charging ports and an intelligent digital display for real-time information.



Figure 3.1: Baseus EnerGeek 145W 20800mAh Power Bank and USB-C cable.

Smart Digital Display

One glance to check the details of the device and charging status.

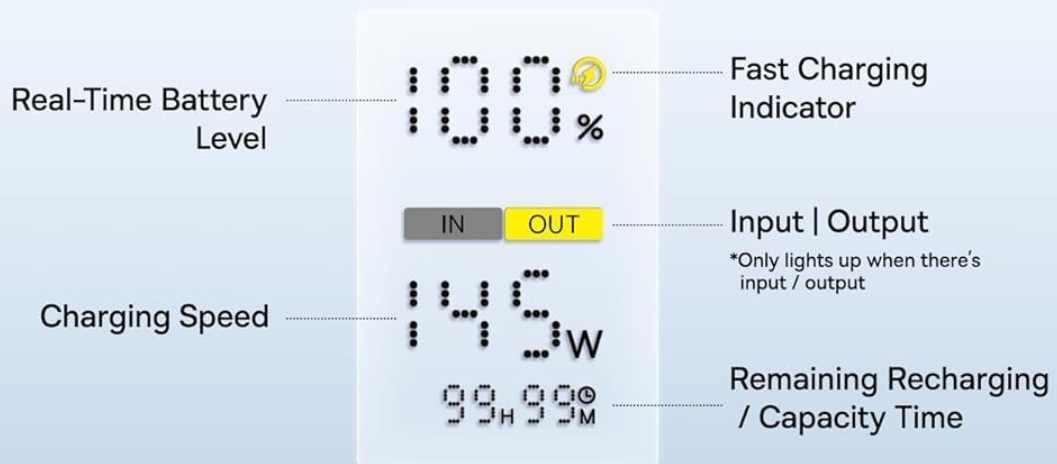


Figure 3.2: Intelligent Digital Display showing battery level, charging speed, and remaining time.

3.1 Ports and Indicators

- **USB-C Ports (x2):** Support PD 3.0 for fast charging, with one port delivering up to 100W and the other up to 45W. Total output up to 145W when used simultaneously.
- **USB-A Ports (x2):** Support fast charging up to 33W in single port mode.
- **Digital Display:** Shows real-time battery level, charging speed (input/output), remaining energy, and estimated remaining time.

4. SETUP

4.1 Initial Charging of the Power Bank

Before first use, it is recommended to fully charge your Baseus EnerGeek Power Bank. This ensures optimal battery performance and accuracy of the digital display.

1. Connect the included USB-C charging cable to one of the USB-C input/output ports on the power bank.
2. Connect the other end of the USB-C cable to a compatible USB-C wall charger (not included) with a minimum output of 65W for fastest charging.
3. The digital display will show "IN" and the charging wattage. The battery percentage will increase as it charges.
4. A full charge using a 65W charger typically takes approximately 2 hours.

65W High-Power Input

Takes only 2 hours to fully charge the power bank.



*Data sourced from Baseus Laboratory; actual results may vary based on charging conditions, battery and ambient temperature at the point of use.

Figure 4.1: Charging the power bank with a 65W high-power input.

5. OPERATING INSTRUCTIONS

5.1 Charging Devices

The Baseus EnerGeek Power Bank can charge up to four devices simultaneously. For optimal charging speed, use the appropriate ports for your devices.

1. Connect your device's charging cable to the corresponding port on the power bank (USB-C or USB-A).
2. Connect the other end of the cable to your device.
3. The digital display will show "OUT" and the current output wattage for the connected devices.
4. For laptops and high-power devices, use the 100W max USB-C port. For phones and smaller devices, use the 45W max USB-C port or the USB-A ports.



Figure 5.1: Charging multiple devices simultaneously.

2 Fast Charging Ports with Max 145W Speed

Boost up a MacBook Pro 14-inch from 0% to 55% in 30 mins.

⚡ PD 3.0

145W



Note: When using two USB-C ports simultaneously, the total maximum output can reach 145W; the maximum out of either single port is 100W.

Figure 5.2: Power distribution across USB-C ports for fast charging.

5.2 Understanding the Digital Display

The intelligent digital display provides comprehensive information about the power bank's status:

- **Real-Time Battery Level:** Shows the remaining battery percentage.
- **Fast Charging Indicator:** Illuminates when fast charging protocols are active.
- **Input | Output Indicator:** "IN" indicates the power bank is being charged; "OUT" indicates it is charging other devices.

- **Charging Speed (W):** Displays the current wattage of power being input or output.
- **Remaining Recharging / Capacity Time:** Estimates the time until the power bank is fully charged or depleted.

Smart Digital Display

One glance to check the details of the device and charging status.

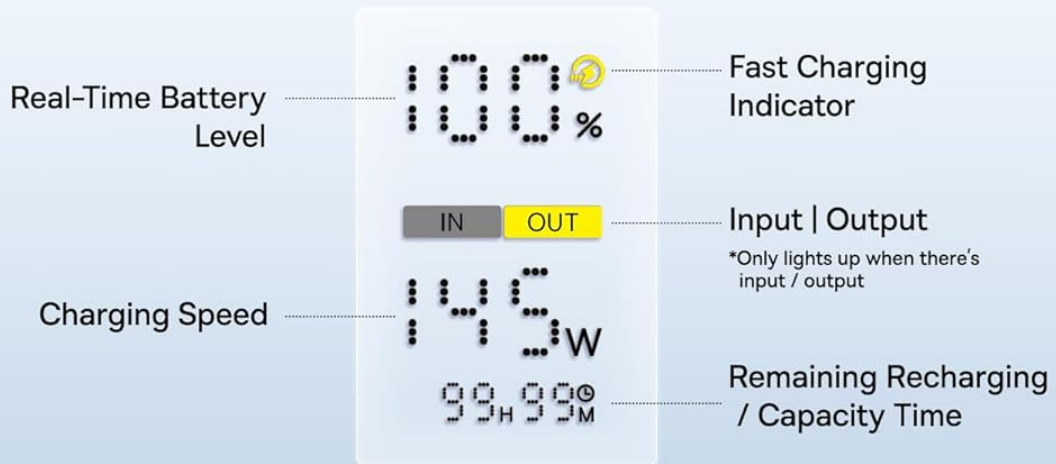


Figure 5.3: Detailed breakdown of the digital display elements.

5.3 Compatibility

The power bank supports various fast charging protocols including PPS, UFCS, PD, and QC, ensuring wide compatibility with devices such as MacBook Pro, Dell, HP, SteamDeck, iPhone (16/15/14/13), Samsung, iPad, and more.

Widely Compatible with Multiple Devices

Supports PPS, UFCS, PD, QC,
and other fast charging protocols.



Figure 5.4: Wide compatibility with multiple devices.

6. SPECIFICATIONS

Feature	Detail
Model Number	PPAP-20E5

Battery Capacity	20800 mAh
Battery Type	Lithium Polymer
Max Output Power	145W (Total)
USB-C1 Output	Up to 100W
USB-C2 Output	Up to 45W
USB-A Output (each)	Up to 33W (single port)
Input (USB-C)	Up to 65W
Number of Ports	4 (2x USB-C, 2x USB-A)
Product Dimensions	15.5 x 4.5 x 5.3 cm
Item Weight	650 g
Special Features	Digital Display, Fast Charging, LED Indicator Lights, Over Charging Protection, Short Circuit Protection

20800mAh High Capacity

Enough power to charge all your devices on your weekend trip.

20800mAh

-  **3.4** charges
iPhone 16 Pro
-  **1.5** charges
iPad Pro 11.5"
-  **1** charge
Macbook Air 2023
14 (M3 Pro)
-  **1.1** charges
Steam Deck



*Data sourced from Baseus Laboratory; results may vary due to environmental factors.

Figure 6.1: 20800mAh capacity and approximate charges for common devices.

Compact and Portable

It takes up little space and easily fits your pocket or bag.



Figure 6.2: Compact and portable design of the power bank.

7. SAFETY INFORMATION

To ensure safe operation and prolong the lifespan of your power bank, please observe the following precautions:

- Do not expose the power bank to extreme temperatures (hot or cold), direct sunlight, or high humidity.
- Do not disassemble, modify, or attempt to repair the device yourself.
- Keep away from water and flammable liquids.

- Avoid dropping or subjecting the power bank to strong impacts.
- Do not use if the power bank is damaged, swollen, or leaking.
- Keep out of reach of children.
- Dispose of the power bank responsibly according to local regulations for lithium-ion batteries.
- This power bank is approved by TSA for Carry-On Luggage, making it suitable for international flight travel.

8. MAINTENANCE

- Clean the power bank with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the power bank in a cool, dry place when not in use.
- If storing for extended periods, charge the power bank to approximately 50-70% every 3-6 months to maintain battery health.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging	Cable not connected properly; Charger not powerful enough; Damaged cable/charger.	Ensure cable is securely connected. Use a 65W or higher PD charger. Try a different cable or charger.
Device not charging from power bank	Power bank battery depleted; Incorrect cable; Device not compatible; Power bank in protection mode.	Recharge the power bank. Use the correct cable for your device. Ensure device is compatible with USB-C/USB-A charging. Disconnect and reconnect the device.
Digital display not working	Power bank off; Malfunction.	Ensure power bank is turned on (if applicable, though typically auto-on with connection). If issue persists, contact customer support.
Slow charging	Cable quality; Device charging protocol; Multiple devices connected.	Use a high-quality, fast-charging cable. Ensure your device supports fast charging protocols (PD, QC). Disconnect other devices to maximize power to one.

10. WARRANTY AND SUPPORT

Baseus products are covered by a limited warranty. For detailed warranty information, please refer to the warranty card included with your purchase or visit the official Baseus website. If you encounter any issues or require technical assistance, please contact Baseus customer support through their official channels or the retailer where you purchased the product.

For further assistance, you may visit the [Baseus Store on Amazon](#).

