

Baseus PPAP-20E5

Baseus Laptop Power Bank Instruction Manual

Model: PPAP-20E5

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Baseus 20800mAh 145W Portable Power Bank. This high-capacity power bank is designed to provide reliable and fast charging for a wide range of devices, including laptops, smartphones, tablets, and gaming consoles. Its compact design and multiple safety features make it an ideal companion for travel, outdoor work, and daily use.



Image: Baseus EnerGeek GR12 145W 20800mAh Power Bank, highlighting its portable, powerful, and fast charging capabilities.

2. PRODUCT FEATURES

- **145W Power Output:** Delivers a total of 145W, with up to 100W from a single USB-C port, enabling rapid charging for demanding devices like the 14-inch MacBook Pro (up to 55% in 30 minutes).

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.

Image: Close-up of the power bank's top, showing two USB-C and two USB-A ports, labeled for 145W output.

- **20800mAh High Capacity:** Provides substantial power, capable of recharging an iPhone 16 Pro approximately 3.6 times, an iPad Pro 1.5 times, or a MacBook Air 1 time.

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.

Image: Visual representation of the 20800mAh capacity, showing the number of charges for various devices like iPhone, iPad, MacBook, and Steam Deck.

- **4-Port Simultaneous Charging:** Equipped with two USB-C ports and two USB-A ports, allowing you to charge up to four devices concurrently.

Charges 4 Devices at Once

2 USB-C ports and 2 USB-A ports to charge multiple devices simultaneously.



Image: People using the Baseus power bank to charge multiple devices simultaneously at a table.

- **Smart Digital Display:** An intuitive display provides real-time information on battery level, charging speed (watts), and estimated remaining charge/recharge time.

Multiple Safety Protections



Over-Voltage Protection



Under-Voltage Protection



Overcharge Protection



Over-Discharge Protection



Over-Temperature Protection



Over-Current Protection



Short Circuit Protection



Recovery Protection



Over-Power Protection



Image: Detailed view of the smart digital display, pointing out indicators for real-time battery level, fast charging, input/output, charging speed, and remaining time.

- **Universal Compatibility:** Supports various fast charging protocols including PPS, UFCS, PD, and QC, ensuring broad compatibility with a wide range of devices.

Widely Compatible with Multiple Devices

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



Image: The power bank surrounded by various compatible devices such as a Steam Deck, smartphone, AirPods, and laptop.

- **65W High-Power Input:** Allows the power bank itself to be fully recharged in approximately 2 hours when using a 65W power adapter.



Image: The power bank being recharged via a 65W power adapter, illustrating the fast input capability.

- **Multiple Safety Protections:** Built-in safeguards against over-voltage, under-voltage, overcharge, over-discharge, over-temperature, over-current, short circuit, recovery, and over-power.

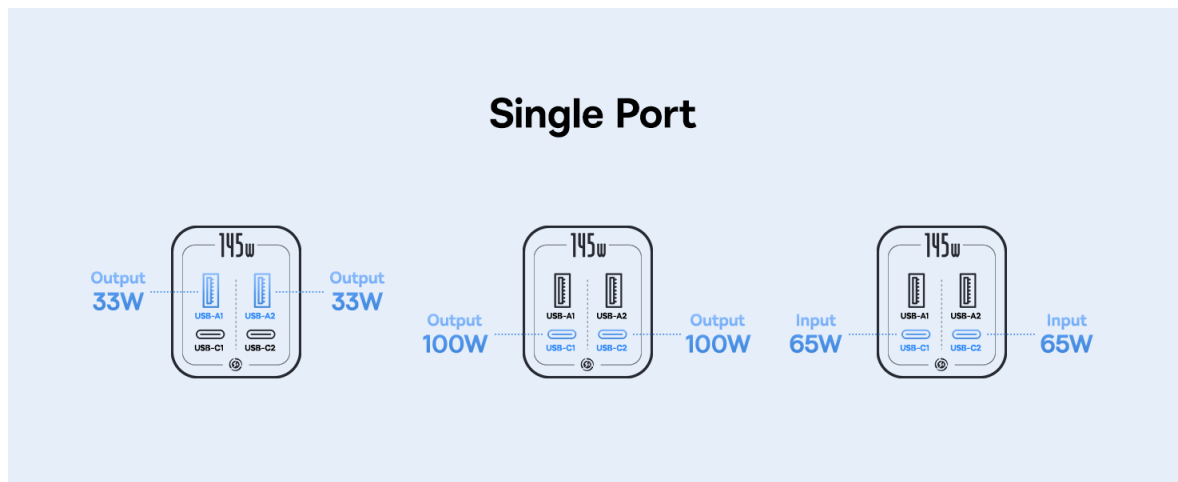


Image: Diagram illustrating the various safety protections integrated into the power bank's design.

- **Compact and Portable:** Designed to be easily carried in a bag or backpack, weighing 1.15 pounds and measuring 4.7 x 1.2 x 1.6 inches. It is also airline-approved for travel.

Compact and Portable

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



Image: A hand holding the compact power bank, and another image showing it being placed into a backpack.

3. SETUP

Initial Charging

Before first use, it is recommended to fully charge your Baseus Power Bank. Use a compatible USB-C power adapter (65W or higher recommended for fastest charging) and the included USB-C to USB-C cable to connect the power bank to a power outlet. The digital display will show the charging status and estimated time to full charge.

Package Contents

- Baseus 20800mAh 145W Portable Power Bank
- USB-C to USB-C Charging Cable

- User Manual (this document)

4. OPERATING INSTRUCTIONS

Charging the Power Bank

1. Connect the included USB-C to USB-C cable to one of the USB-C input/output ports on the power bank.
2. Connect the other end of the cable to a compatible USB-C wall charger (e.g., 65W PD charger).
3. The digital display will illuminate, showing the input wattage and the estimated time until the power bank is fully charged.

Charging Your Devices

1. Connect your device's charging cable to the appropriate port (USB-C or USB-A) on the power bank.
2. Connect the other end of the cable to your device.
3. The digital display will show the output wattage for each active port and the remaining battery percentage of the power bank.

Digital Display Information

The smart digital display provides crucial information at a glance:

- **Battery Level:** Shows the remaining battery percentage.
- **Fast Charging Indicator:** A yellow bolt icon confirms fast charging is active.
- **Input/Output:** Indicates whether the power bank is receiving power (IN) or delivering power (OUT).
- **Charging Speed:** Displays the real-time wattage being input or output.
- **Remaining Time:** Estimates the time left for recharging the power bank or the time the power bank can last while discharging.

Low Current Mode

For charging low-power devices like smartwatches or wireless earbuds, double-click the power button to activate Low Current Mode. Double-click again to exit this mode.

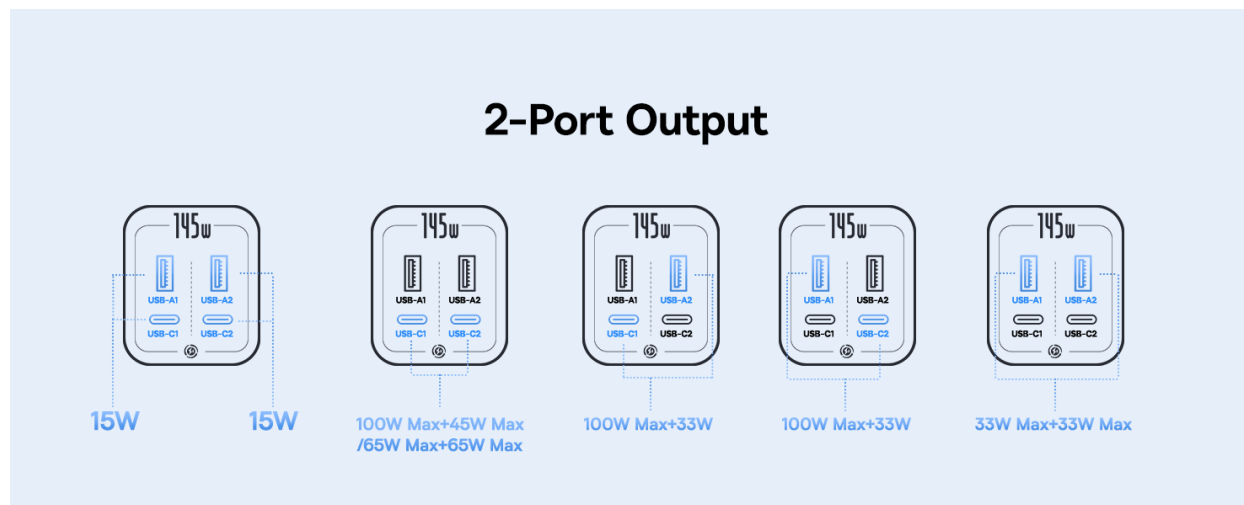


Image: The power bank charging an Apple Watch and AirPods Pro, demonstrating the low current mode.

Official Product Video

Video: An official product video from Baseus Brand Store showcasing the features and capabilities of the 145W 20800mAh Power Bank.

5. MAINTENANCE

- Keep the power bank away from water, fire, and extreme temperatures (both high and low).
- Avoid dropping or subjecting the device to strong impacts.
- Clean the surface with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store in a cool, dry place when not in use for extended periods.

6. TROUBLESHOOTING







- **Device not charging:** Ensure the power bank has sufficient charge. Check if the charging cable is securely connected to both the power bank and the device. Try a different cable or port.
- **Slow charging:** Verify that your device and cable support fast charging protocols (PD, QC, etc.). Ensure no other high-power devices are simultaneously drawing power from the power bank, which might distribute the total wattage.
- **Digital display not working:** Press the power button to activate the display. If it remains off, the power bank might be completely discharged or require a reset.
- **Power bank not recharging:** Ensure the wall adapter is functioning and provides adequate wattage (65W recommended). Check the charging cable for damage.

7. SPECIFICATIONS

Feature	Detail
Model Number	PPAP-20E5
Battery Capacity	20800 mAh (77 Wh)
Total Output Power	145W Max
USB-C1/C2 Output	Up to 100W (single port)
USB-A1/A2 Output	Up to 33W (single port)
Input (USB-C)	65W Max
Dimensions	4.7 x 1.2 x 1.6 inches
Weight	1.15 pounds
Special Features	Digital Display, Short Circuit Protection, Over Charging Protection, Fast Charging
Battery Type	Lithium Polymer

8. WARRANTY AND SUPPORT

Baseus offers a **24-month protection plan** for this product. If you encounter any issues or have questions regarding your Baseus Laptop Power Bank, please contact the seller or manufacturer's customer support for assistance. Please retain your proof of purchase for warranty claims.

	<p>Baseus Blade Power Bank 20000mAh 100W User Manual</p> <p>User manual for the Baseus Blade High Power Digital Display Fast Charge Power Bank with 20000mAh capacity and 100W output. Includes product information, specifications, and usage instructions.</p>
	<p>Baseus Blade HD 20000mAh 100W Laptop Power Bank User Manual</p> <p>Comprehensive user manual for the Baseus Blade HD (High Density Version) 20000mAh 100W portable charger, detailing specifications, usage instructions, safety precautions, and features for fast charging laptops and mobile devices.</p>
	<p>Baseus Blade2 65W Fast-Charging Power Bank User Manual</p> <p>User manual for the Baseus Blade2 Fast-Charging Power Bank with Digital Display Intelligent Edition. This guide details product specifications, features like Bluetooth connectivity and app control, operating instructions, safety warnings, and troubleshooting for the 65W power bank.</p>
	<p>Baseus Magnetic Mini Wireless Fast Charge Power Bank 20000mAh 20W User Manual</p> <p>User manual for the Baseus Magnetic Mini Wireless Fast Charge Power Bank 20000mAh 20W. This document provides safety instructions, product parameters, operating instructions, and troubleshooting tips for the power bank.</p>
	<p>Baseus EnerGeek GR11 20000mAh 145W Power Bank with Retractable Cable - Quick Start Guide</p> <p>Quick start guide for the Baseus EnerGeek GR11, a 20000mAh 145W power bank featuring a retractable USB-C cable, multiple output ports (USB-C PD, USB-A QC), and a smart digital display for real-time charging information.</p>
	<p>Baseus GaN6 Pro Fast Charger 65W User Manual</p> <p>This document provides instructions and specifications for the Baseus GaN6 Pro Fast Charger, a 65W GaN charger with 4 ports (2 USB-C, 2 USB-A). It covers product details, features, and usage guidelines for various devices.</p>