

HyperGear HYP-PD-45

HyperGear 45W USB-C PD Wall Charger User Manual

Model: HYP-PD-45

1. INTRODUCTION

The HyperGear 45W USB-C PD Wall Charger is designed to provide efficient and fast charging for a wide range of devices, including laptops, tablets, and smartphones. Featuring Power Delivery (PD) and Programmable Power Supply (PPS) technologies, this charger optimizes power output for rapid and safe charging.

This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new charger, ensuring you get the most out of its advanced capabilities.



Image: The HyperGear 45W USB-C PD Wall Charger in white, featuring foldable prongs for portability.

2. SETUP

Setting up your HyperGear 45W USB-C PD Wall Charger is straightforward. Follow these steps to begin charging your devices:

1. **Unpack the Charger:** Carefully remove the charger from its packaging.
2. **Unfold the Prongs:** If the prongs are folded, gently extend them until they click into place.
3. **Connect a Compatible Cable:** Attach a USB-C to USB-C cable or a USB-C to Lightning cable (sold separately) to the charger's USB-C port. Ensure the cable is securely connected.
4. **Plug into a Power Outlet:** Insert the charger into a standard 120V AC wall outlet.
5. **Connect to Your Device:** Plug the other end of the charging cable into your laptop, tablet, or smartphone. The device should begin charging automatically.

Optimized for Super-Fast Charging

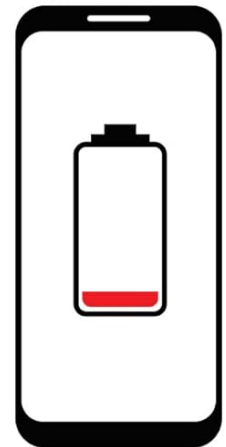
Galaxy, Pixel, and iPhone



**50% Charge in
under 30 minutes**



VS



**45W
PD/PPS**

**5W
Standard**

Phones without PPS support will still fast charge at their fullest Power Delivery

Image: This diagram illustrates the two types of cables compatible with the charger: USB-C to USB-C for various devices and USB-C to Lightning for Apple devices.

3. OPERATING INSTRUCTIONS

The HyperGear 45W USB-C PD Wall Charger is designed for optimal performance across various devices. Here's how to utilize its features:

- **Universal Compatibility:** This charger is compatible with a wide range of devices that support USB-C Power Delivery, including MacBook laptops, various tablets, and both iPhone (15/14/13/12 series) and Android (Galaxy S24/23/22 series, Pixel) smartphones.
- **Fast Charging with Power Delivery (PD):** The charger's specialized PD/PPS chipset enables full-speed laptop charging and intelligently scales down to deliver an optimized super-fast charge for smartphones. Compatible phones can charge from 0% to 50% in under 30 minutes.
- **Efficient Charging with PPS:** Programmable Power Supply (PPS) support allows the charger to make micro-adjustments throughout the charging cycle. This boosts energy efficiency and protects your device's battery from

excessive heat buildup, preserving its long-term capacity.

- **Smart Chip Technology:** Built-in smart chip technology detects each device's specific charging needs and automatically regulates power flow. This reduces energy waste and maximizes charging efficiency to over 90%.



Image: The 45W USB-C PD Wall Charger providing full-speed charging to a laptop, demonstrating its high power output.

Use With the Right Cable (sold separately)

USB-C to USB-C



USB-C to Lightning



Image: A visual comparison highlighting the rapid charging performance of the 45W PD/PPS charger against a standard 5W charger, showing significant time savings.

Programmable Power Supply

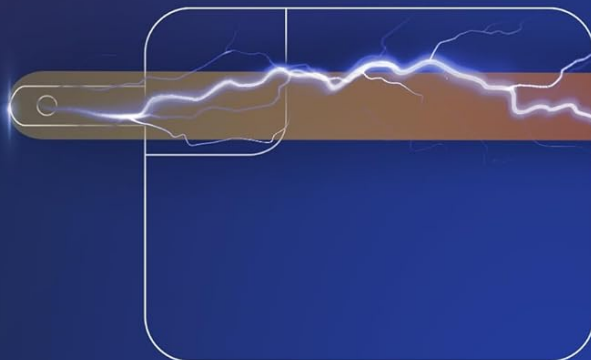
A faster, safer, more efficient charge

PPS *Super Fast Charging*
Stable



Short Charging Time

Standard Charging
Unstable



Long Charging Time

Image: This infographic demonstrates how PPS technology ensures a stable and efficient charging process, preventing the instability often seen with standard charging methods.

4. MAINTENANCE

To ensure the longevity and optimal performance of your HyperGear 45W USB-C PD Wall Charger, please follow these maintenance guidelines:

- **Keep Dry:** Avoid exposing the charger to water, moisture, or high humidity.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the charger. Do not use harsh chemicals or abrasive cleaners.
- **Avoid Extreme Temperatures:** Do not operate or store the charger in extremely hot or cold environments.
- **Handle with Care:** Avoid dropping the charger or subjecting it to strong impacts.
- **Store Properly:** When not in use, store the charger in a cool, dry place away from direct sunlight.

5. TROUBLESHOOTING

If you encounter any issues with your HyperGear 45W USB-C PD Wall Charger, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device not charging.	Loose connection, faulty cable, incompatible device, power outlet issue.	Ensure all connections are secure. Try a different USB-C cable. Test the charger with another compatible device. Try a different wall outlet.
Slow charging.	Cable not supporting fast charging, device not supporting PD/PPS, background apps consuming power.	Use a high-quality USB-C cable designed for fast charging. Verify your device supports Power Delivery or PPS for optimal speeds. Close unnecessary background applications on your device.
Charger feels warm.	Normal operation during high power output.	It is normal for the charger to become warm during use, especially during fast charging. If it becomes excessively hot or emits smoke/odor, unplug immediately and discontinue use.

If the problem persists after trying these solutions, please contact HyperGear customer support for further assistance.

6. SPECIFICATIONS

Below are the technical specifications for the HyperGear 45W USB-C PD Wall Charger:

- Model Number:** HYP-PD-45
- Product Dimensions:** 4.73 x 4.73 x 1.38 inches
- Item Weight:** 7.5 ounces
- Input Voltage:** 120 Volts
- Wattage:** 45 watts
- Connectivity Technology:** USB
- Connector Type:** USB Type C
- Compatible Devices:** Laptops, Cellular Phones
- Color:** White
- Manufacturer:** HYPERCEL CORP / SHENZHEN SHI YING YUAN ELECTRONICS CO LTD
- Country of Origin:** China

7. WARRANTY AND SUPPORT

- Warranty Information:**

HyperGear products are manufactured with quality and reliability in mind. Specific warranty details for your 45W USB-C PD Wall Charger are typically included with the product packaging or can be found on the official HyperGear website. Please retain your proof of purchase for warranty claims.
- Customer Support:**

For any questions, technical assistance, or support regarding your HyperGear 45W USB-C PD Wall Charger, please visit the official HyperGear website or contact their customer service department. Contact information can usually be found on the product packaging or the brand's official online presence.

