

## Coolgear CG-PD200MAX

# Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger

Model: CG-PD200MAX

## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger. This device is designed to provide high-power charging for a variety of electronic devices through its dual USB-C Power Delivery ports. Please read this manual thoroughly before operating the device.

Key features of your charger include:

- **Dual 100W USB-C Ports:** Provides a combined 200W output for fast and efficient power delivery to two devices simultaneously.
- **Enhanced Device Safety:** Integrated protections against over-voltage, under-voltage, over-current, and short circuits.
- **Secure Connections:** Screw-lock USB-C ports ensure cables remain firmly connected, even in dynamic environments.
- **Broad Compatibility:** Supports PD3.0, PPS, QC3.0, FCP, SCP, AFC, and Apple charging protocols.
- **Wide Input Voltage:** Compatible with diverse power setups, accepting 24V to 28V input.
- **Durable Construction:** Rugged metal design suitable for industrial, laboratory, and office conditions.

## 2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the device or injury to yourself:

- Do not expose the charger to water, moisture, or extreme temperatures.
- Do not attempt to disassemble or modify the charger. Refer all servicing to qualified personnel.
- Ensure the input voltage is within the specified range (24V to 28V) to prevent damage.
- Use only compatible USB-C cables and devices.
- Keep the charger away from flammable materials.
- Disconnect the power source before cleaning or when not in use for extended periods.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger
- 1 x 2-Pin Terminal Block

### 4. PRODUCT OVERVIEW

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Familiarize yourself with the components of your Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger.

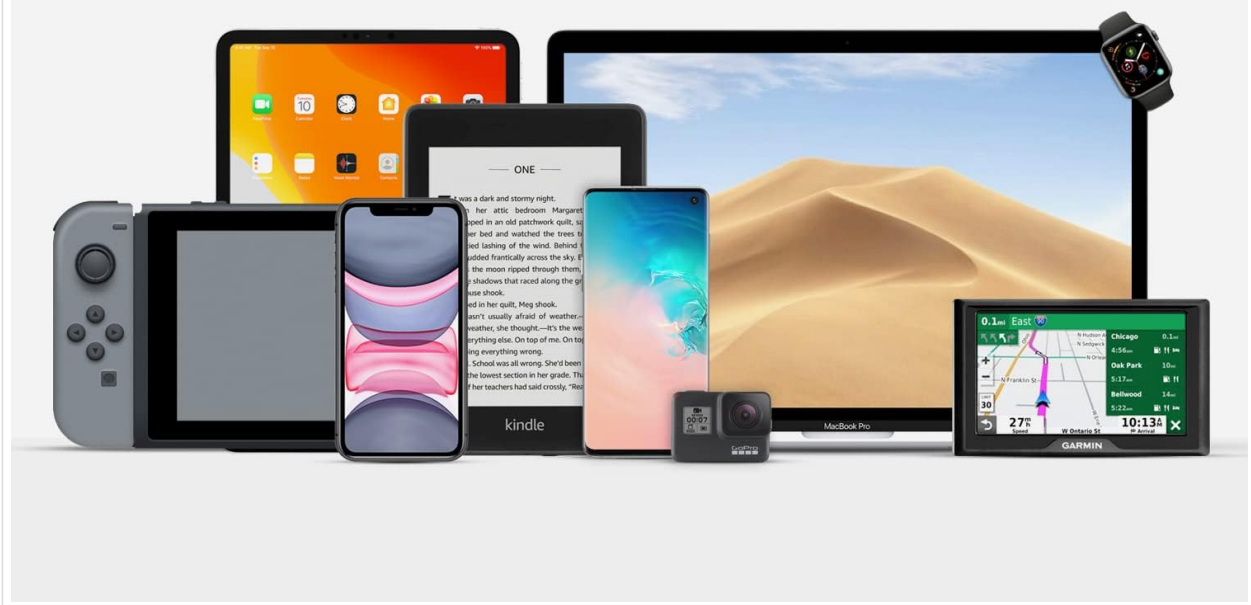


**Image 4.1:** Front view of the Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger, showcasing its compact design and dual USB-C PD ports.

# No matter the gear, keep **IT** charged!

Universal compatability keeps your devices powered and ready.

- Tablets
- Phones
- Cameras
- GPSs
- Laptops
- Watches
- Consoles
- & More



**Image 4.2:** Close-up view of the charger, highlighting the two USB Type-C PD ports, labeled Port 1 and Port 2, each capable of 100W output.

## 5. SETUP AND INSTALLATION

Follow these steps to set up your charger:

1. **Power Connection:** Connect your 24V to 28V DC power source to the included 2-pin terminal block. Ensure correct polarity (+ and -).
2. **Attach Terminal Block:** Insert the wired terminal block into the corresponding input port on the charger.
3. **Mounting (Optional):** The charger features integrated mounting flanges for secure installation. Use appropriate screws (not included) to fix the unit to a desired surface.

## Mount it where you need it!

Easy to install mounting flanges for a safe and secure installation.



**Image 5.1:** Illustration of the charger being mounted using its integrated flanges, demonstrating a secure installation.

## 6. OPERATING INSTRUCTIONS

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Once the charger is powered, you can begin charging your devices:

1. **Connect Device:** Plug a compatible USB-C charging cable into one of the charger's USB Type-C PD ports.
2. **Secure Connection (Optional):** If your USB-C cable supports screw-locking, utilize this feature to ensure a stable and secure connection, especially in environments with vibration.
3. **Charge Second Device:** Repeat the process for the second USB Type-C PD port to charge another device simultaneously.

The charger will automatically detect the connected device and deliver the optimal power output up to 100W per port, supporting various fast charging protocols.



## Secure Connections



Keep your charging device connections safe with screw-locking capabilities on USB Type-C Ports

**Image 6.1:** A close-up showing a USB-C cable with a screw-lock mechanism securely fastened to the charger's port, preventing accidental disconnections.

## 7. MAINTENANCE

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To ensure the longevity and optimal performance of your charger:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid using harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the unit during operation.

## 8. TROUBLESHOOTING

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If you encounter issues with your charger, refer to the following common solutions:

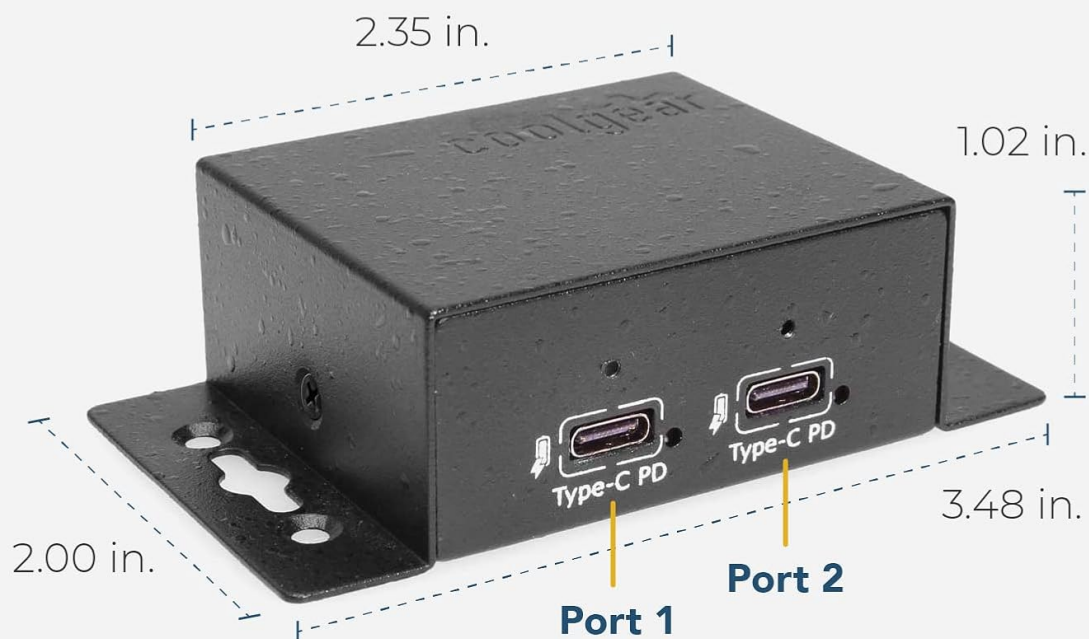
- **No Power Output:**
  - Verify that the input power source is connected correctly and providing 24V-28V DC.
  - Check the terminal block connection for secure contact and correct polarity.



- Ensure the power source is active.
- **Slow Charging:**
  - Confirm that your device and USB-C cable support fast charging protocols (PD3.0, PPS, etc.).
  - Ensure the cable is fully inserted into both the charger and your device.
  - If charging two high-power devices simultaneously, the total power draw might be limited by the device's capabilities or cable quality.
- **Intermittent Connection:**
  - Check if the USB-C cable is damaged. Try a different cable.
  - If using screw-lock cables, ensure they are tightened securely.
  - Inspect the USB-C ports on both the charger and your device for debris.

## 9. SPECIFICATIONS

Detailed technical specifications for the Coolgear ChargeIt! Mini 200W Dual Type-C PD Charger:



## Specifications

- Port 1: 100W USB Type-C PD Screw-Lock Charging Port.
- Port 2: 100W USB Type-C PD Screw-Lock Charging Port.
- Equipped with integrated voltage regulation, system-level fault, and ESD protection.
- Programmable Power Supply (PPS) capability.

**Image 9.1:** Diagram illustrating the physical dimensions of the charger and key specifications.


Feature	Detail
Model Number	CG-PD200MAX
Product Dimensions	3.48 x 1.99 x 1.03 inches
Item Weight	0.64 ounces
Input Voltage	24V to 28V DC
Output Ports	2 x USB Type-C PD (Power Delivery)
Max Output Per Port	100W
Total Max Output	200W
Supported Protocols	PD3.0, PPS, QC3.0, FCP, SCP, AFC, Apple
Special Features	Screw-Lock Compatible USB-C Ports, Integrated Voltage Regulation, System-Level Fault Protection, ESD Protection, Programmable Power Supply (PPS) capability


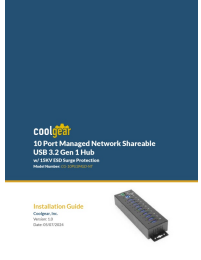
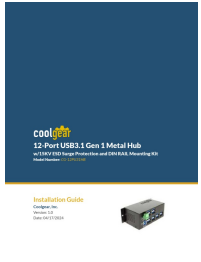
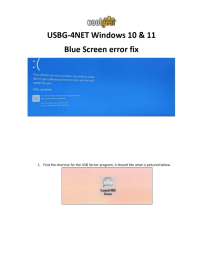

## 10. WARRANTY AND SUPPORT

Coolgear products are manufactured to high-quality standards. For warranty information or technical support, please contact Coolgear customer service through their official website or the retailer where the product was purchased. Please retain your proof of purchase for warranty claims.

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### Related Documents - CG-PD200MAX

	<p><a href="#">Coolgear CG-31BC1EA USB 3.2 Type C Gen 1 to 1 Gigabit Ethernet Adapter User Manual</a></p> <p>User manual for the Coolgear CG-31BC1EA USB 3.2 Type C Gen 1 to 1 Gigabit Ethernet Adapter. Provides details on package contents, specifications, Din-Rail mounting, wall mounting, and Windows installation.</p>
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	<p><a href="#">Coolgear CG-31BG1EA USB 3.2 Type B Gen 1 to Gigabit Ethernet Adapter User Manual</a></p> <p>User manual for the Coolgear CG-31BG1EA, a USB 3.2 Type B Gen 1 to 1 Gigabit Ethernet adapter. Includes specifications, package contents, mounting instructions, and Windows installation guide.</p>
	<p><a href="#">Coolgear CG-10PU3MGD-NT 10 Port Managed USB 3.2 Gen 1 Hub Installation Guide</a></p> <p>Installation guide for the Coolgear CG-10PU3MGD-NT, a 10-port managed network shareable USB 3.2 Gen 1 hub with 15KV ESD surge protection. Includes setup, connector layout, software installation, and specifications.</p>
	<p><a href="#">Coolgear CG-12PU31HB 12-Port USB3.1 Gen 1 Metal Hub Installation Guide</a></p> <p>Installation guide for the Coolgear CG-12PU31HB 12-Port USB3.1 Gen 1 Metal Hub, featuring 15KV ESD surge protection and DIN RAIL mounting. Includes setup, specifications, and support information.</p>
	<p><a href="#">Coolgear USBG-4NET: Fix Windows 10 &amp; 11 Blue Screen Errors</a></p> <p>A step-by-step guide to resolve Blue Screen errors on Windows 10 and 11 caused by the Coolgear USBG-4NET device by adjusting program compatibility settings.</p>
	<p><a href="#">Coolgear ChargeIT! Mini 140W USB Type-C PD Charger CG-PD140EPR - Technical Specifications</a></p> <p>Technical data sheet detailing the Coolgear ChargeIT! Mini 140W USB Type-C PD Charger with EPR Support (Model CG-PD140EPR). Features include 140W PD3.1 EPR capability, variable voltage input, multiple PD protocols, and secure screw-lock USB-C compatibility. Specifications cover power, connectivity, physical attributes, and warranty.</p>