



Gearmo 20000mAh Type-C Portable Ultra High Capacity Power Bank

Gearmo
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Model # GM-20KPDPB



Product Manual

www.gearmo.com

REVISION HISTORY

Revision	Date	Author	Comments
1.0	11/20/2017	Gearmo	Gearmo Manual

ABOUT THIS DOCUMENT

This product manual outlines installation and features of the GM-20KPDPB Gearmo 20000mAh Type-C Portable Ultra High Capacity Power Bank.

SCOPE

The scope of this manual is to give the user of the product an understanding of its use with detailed diagrams and verbiage. The manual allows the users to apply the product to their application.

INTENDED AUDIENCE

This product is intended for use in home or office environments to charge Type-C devices such as laptops or notebooks and legacy items like GPS, cell phones, tablets and more...

PRODUCT SUPPORT

support@gearmo.com

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1. INTRODUCTION

Gearmo's Type-C Portable Power Bank is a high capacity, fast charging power house. It is for Type-C and legacy Type-A device charging connections. It incorporates 4 USB-A ports, 1+2 port sharing 5V/3A, and 3+4 ports sharing 5V/3A so the Power Bank can simultaneously charge 4 tablets. The power bank itself charges in two ways, via a USB Micro-B or USB-C connection from your USB-C charger. USB Micro-B will charge one bank at a time until all 4 are full, The USB-C charging port is much faster, filling all banks at once.

WEIGHT	0.931 lbs.
UPC	045079159280
WARRANTY	1 year from date of purchase
COLOR	White
PORTS	(4) USB-A, (1) USB-C/PD, (1) USB Mini-B
Dimensions	108 x 90 x 32 mm

1.1 Features

- Power bank capacity of 20000mAh / 3.7V / 74Wh.
- 4 USB-A ports, 1+2 port sharing 5V/3A, and 3+4 ports sharing 5V/3A
- Charges up to 8 times faster than normal power banks.
- Stand alone power bank (no need to keep connected).
- Supports 1 USB Type-C dual function PD/charging port.
- Charges MacBooks and other portable devices
- White LED indicators for battery status.

1.2 Specifications

Connector Ports	
USB Type-C / PD	1
USB Type-A	4
USB Mini-B	1
Physical	
Weigh	1.156 lbs.
Dimensions	108 x 90 x 32 mm
Construction	Plastic
Power	
Capacity	20000mAh Max.
Power Profile	

USB Type-C Input	5V/3A, 9V/3A, 12V/3A, 14.5V/15V 2.4A, 20V/1.8A
USB Type-C Output	5V/3A, 9V/3A, 12V/3A, 14.5V/15V 2.4A, 20V/2A
USB Type-A Output	5V/3A (1+2 ports) 5V/3A (3+4 port)
Battery Capacity	20000mAh / 3.7V 74Wh
Rated Capacity	14000mAh / 5V(TYP 1A)
Charging Functions	
USB Type-C Port (Dual Function)	(1) Charges all banks at once from USB-C wall charger (2) charges Type-C devices from power bank port.
USB Type-A	Legacy device charging 5V/3A (1+2 ports), 5V/3A (3+4 port)
USB Mini-B	Charges the power bank from USB host Type-A port to power bank through the USB Mini-B port.
Applications	Spare battery for your laptop, tablet, cell phone, or other. Stand alone/portable battery backup. Universal office or class room charger
Support	
Device Support	iPad Pro, iPhone 8, iPhone X, MacBook, MacBook Pro (13" & 15"), Nintendo Switch, Lenovo Yoga, HP Spectre x360, Dell XP 13"
Certifications	FCC, CE, RoHS, WEEE
LED's	1 LED per bank

1.3 How to Use

The GM-20KPDPB 20000mAh Type-C Portable Ultra High Capacity Power Bank is easy to use and can charge your devices up to 8 times faster than other chargers on the market. Please read these instructions as we explain how to use this high capacity charger.

Charging the power bank:

When charging the power bank itself, it must be charged from an AC/DC source through the USB Type-C port or the USB Mini-B port. Attempting to charge the power bank from your laptop may cause damage to it. See charging port diagram below. When your laptop is charging via A/C adapter, do not plug in the power bank via USB-C port.

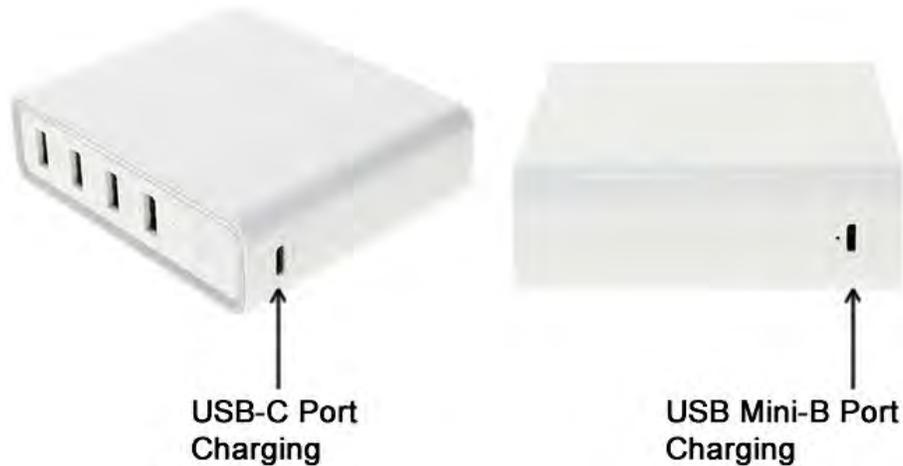


Figure 1

Charging Ports:

The GM-20KPDPB 20000mAh Type-C Portable Ultra High Capacity Power Bank charges legacy devices through its Type-A ports and newer devices that incorporate Type-C ports through its Type-C port.

- **USB-A Ports** 1 & 2 share 5V/3A between them and the same for ports 3 & 4. There are 3A total between the sharing ports, this can support simultaneous device charging on each grouped port at various charging outputs.
- **USB-C Port** is a dual function port. The USB Type-C port is used for charging the power bank from an AC/DC power source. It will charge all banks at once, or, it will charge a device that requires the use of a USB-C port for power.
- **USB Mini-B** charges each battery bank individually from an AC/DC power source until full.



Figure 2

1.4 Package Contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- (1) 20000mAh Type-C High Capacity Power Bank
- (1) USB C male to C male cable
- (1) USB-A to Mini-B cable
- (1) Paper user manual

1.5 Notes, Tips, Warnings, Safety, and Troubleshooting

Note	N/A
Tip	N/A
Warning	When your laptop is charging via A/C adapter, DO NOT plug in the power bank via USB-C port.
Safety	The device may get hot when multiple devices are being used.
Troubleshooting	N/A