

GP Batteries

PRODUCT SPECIFICATION

GP Portable PowerBank Model : M20B

Revision History

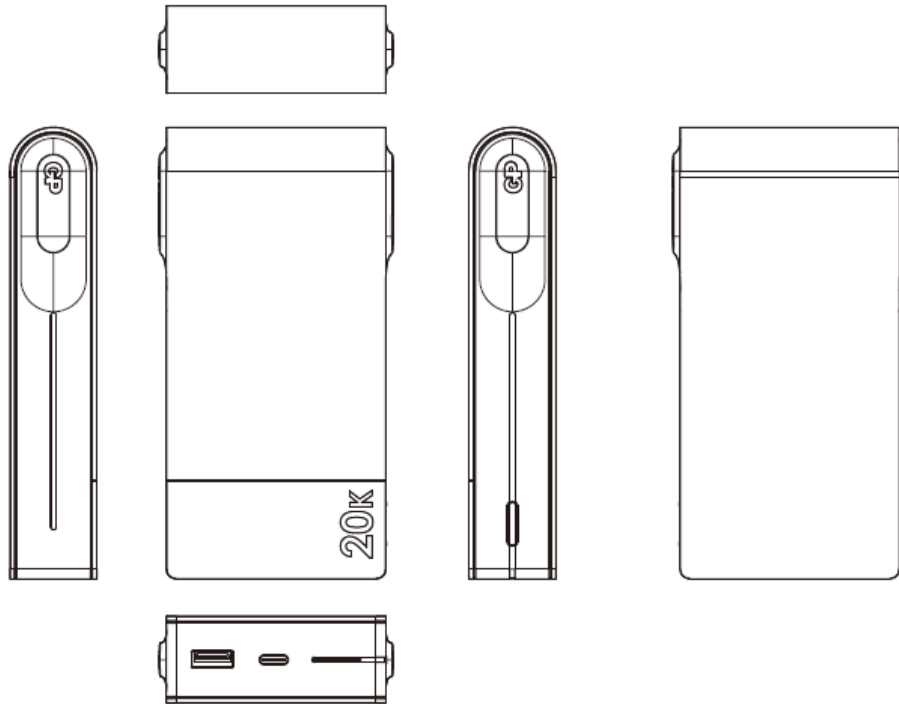
Revision	Date	Initiator	Reason for Change
0.0	25 Aug 2021	Kevin Chan	Draft Release
0.1	1 Nov 2021	Kevin Chan	Updated weight and IEC
0.2	11 Nov 2021	Kevin Chan	Updated input specs, recharge time and remarks on reverse charging
0.3	20 Jan 2022	Kevin Chan	Updated input rating to 5V/3.0A

Prepared By	Approved By
Kevin Chan	Kevin Chan
Date: 25 Aug 2021	Date: 25 Aug 2021

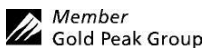
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Product Specification

Model no.: M20B



Product Name	: GP Portable PowerBank M20B
Description	: M-series v2 20000mAh PD 22.5W PowerBank
Battery Rating	: Lithium Polymer 3.7V 20000mAh 74Wh
Input	: [USB-C PD] DC 5V/3.0A, 9V/2.0A, 12V/1.5A (18.0W Max.)
Output	: [USB-C PD] DC 5V/3.0A, 9V/2.22A, 12V/1.67A (20.0W Max.) [USB-A] DC 5V/4.5A, 9V/2.0A, 12V/1.5A (22.5W Max.) [USB-C+USB-A] DC 5.0V/3.0A (15W Max.)
Total output	: 22.5W Max.
Application	: Charge mobile and electronic devices with USB input
Recharging Time	: 6.5 hours by 9V/2A via USB-C port
Operation Temperature	: 5°C to 35°C



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Safety protection : 1) Over voltage protection
 2) Over current protection
 3) Over charging and discharging protection
 4) Short circuit protection
 5) Over temperature protection
 6) Loop back protection

LED Indication : **Charging & Discharging the Portable PowerBank**

There are four diffused white LEDs for battery status, ☼: LED blinking, ○: LED off, ●: LED on, with ±5% error) There is one blue LED to indicate fast charging.

Item	Scope	Status			
		LED #1	LED #2	LED #3	LED #4
Charge indication	Power Level				
	100%	●	●	●	●
	75-100%	●	●	●	☼
	50-75%	●	●	☼	○
	25-50%	●	☼	○	○
	0-25%	☼	○	○	○

Press button to show battery status :

Item	Scope	Status			
		LED #1	LED #2	LED #3	LED #4
Discharge and battery level indication	Power Level				
	75-100%	●	●	●	●
	50-75%	●	●	●	○
	25-50%	●	●	○	○
	10-25%	●	○	○	○
	0-10%	☼	○	○	○

Dimensions : 138 (L) x 67 (W) x 27 (H) mm +/-0.5mm

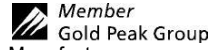
Weight : 370g +/- 10g (TBC)

Certification : CE, FCC, UKCA, RoHS, UN38.3, IEC62133, IEC62368

Bundled cable : 30cm Essential USB-A to USB-C charging cable

Warranty Period : 12 months from ex-factory date

Remarks : PowerBank will shut down automatically when it's depleted. Reverse charging will happen if the powerbank is completely empty when connected to a device.



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