

# GP Batteries

## PRODUCT SPECIFICATION

**GP Portable PowerBank  
Model : MP05MA**

### Revision History

Revision	Date	Initiator	Reason for Change
0.0	22 Dec 2017		First Release
0.1	15 Jan 2018		Update product line dwg & re-charging time

Prepared By	Approved By
CC Li	Kevin Chan
Date: 15 Jan 2018	Date: 15 Jan 2018

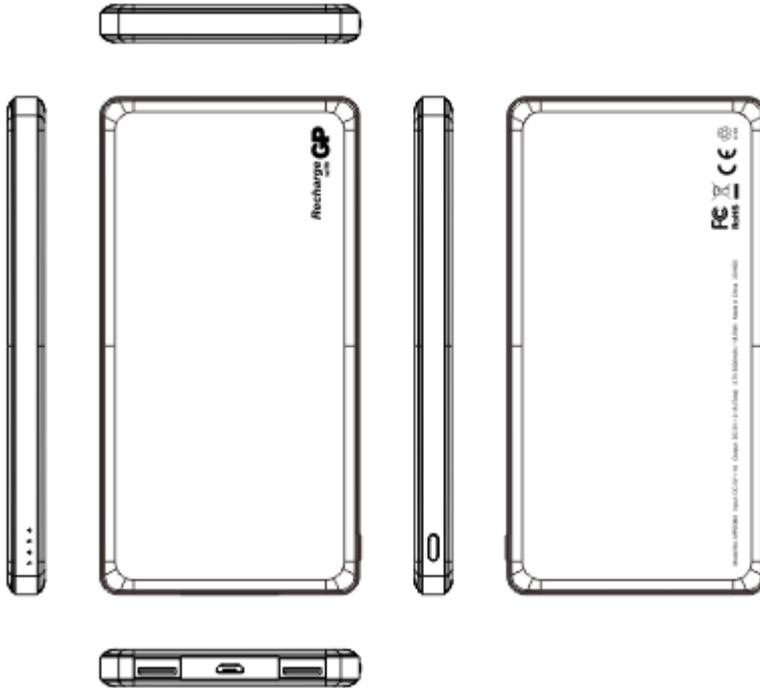
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## Product Specification

Model no.: MP05MA



Product Name	: GP <b>MP05MA</b> Portable PowerBank with Type C port
Description	: Back up power for USB powered electronic devices (e.g. smartphones, tablet PCs)
Battery Rating	: Lithium Polymer 3.7V 5000mAh 18.5Wh
Micro USB Port	: Input 1A / 5V DC
USB Port (x2)	: Output 2.1A / 5V DC (Total)
Application	: Charge USB powered electronic devices
Recharging Time	: 5.5 hours by 5V/1A;
Discharging Time	: 1 hours 15 mins at 2.1A (The discharging time may vary for different devices)
Operation Temperature	: 5°C to 40°C
Safety protection	: 1) Over current protection 2) 1 <sup>st</sup> Level over charging & discharging protection 3) 2 <sup>nd</sup> Level over charging & discharging protection



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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.

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## Product Specification

Model no.: MP05MA

- 4) Short circuit protection
- 5) Over temperature protection
- 6) Under temperature protection
- 7) Loop back protection

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

Table 1

Charging & Discharging Condition	LED Indicator
Charging	Last LED flashing
Discharging	Refer to battery status (Table 2)
Fully charged	All LEDs On
Errors	1 <sup>st</sup> LED Fast flashing & then off

**Press button to show battery status :**

Table 2

Battery Strength	LED indicator
Good	Four LED on
Good to average	First Three LED on
Average	First Two LED on
Weak	One LED on
No Power	No LED

Dimensions : 135.5 (L) x 70 (W) x 10 (H) mm (+/- 0.5mm)

Weight : 147g (approx.)

Certification : CE, FCC, UN38.3, IEC62133 (**Pending**), IEC60950 (**Pending**)

Warranty Period : 12 months from ex-factory date