

GP Batteries

PRODUCT SPECIFICATION

USB Standard Charger Model : M452

Revision History

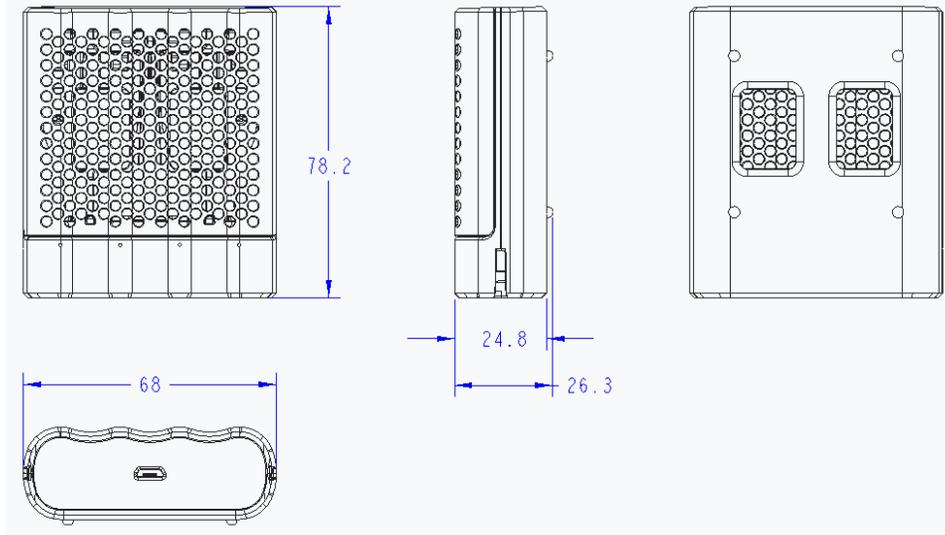
Revision	Date	Initiator	Reason for Change
0.0	20 Mar 2023	CC Li	Initial release

Prepared By	Approved By
CC Li	Vincent Lam
Date: 20 Mar 2023	Date: 20 Mar 2023

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Product Name	:	USB 4-Slot Charger M452
Input	:	USB Input from DC5V 1A adaptor or Charging Dock (D451, D851, D461 or D861)
Charging Channels	:	4 independent channels ; 1 slot/channel for 1- 4 pcs AA/AAA NiMH batteries
Output Voltage	:	1.4V
Input from Adaptor		
Charging Current	:	1100/1100/730/550mA approx. for charging 1/2/3/4 pcs AA Ni-MH Batteries 730/730/490/370mA approx. for charging 1/2/3/4 pcs AAA Ni-MH Batteries
Charging Time	:	Approx. 120/120/180/240Min for charging 1/2/3/4 pcs AA 2100mAh Ni-MH Batteries Approx. 85/85/115/170Min for charging 1/2/3/4 pcs AAA 850mAh Ni-MH Batteries
Input from Charging Dock		
Charging Current	:	1800/1100/730/550mA approx. for charging 1/2/3/4 pcs AA Ni-MH Batteries 1200/730/490/370mA approx. for charging 1/2/3/4 pcs AAA Ni-MH Batteries
Charging Time	:	Approx. 78/120/180/240Min for charging 1/2/3/4 pcs AA 2100mAh Ni-MH Batteries Approx. 50/85/115/170Min for charging 1/2/3/4 pcs AAA 850mAh Ni-MH Batteries
Trickle Charging Current	:	110/110/73/55mA approx for 1/2/3/4 pcs AA Ni-MH Batteries 73/73/48/36mA approx for 1/2/3/4 pcs AAA Ni-MH Batteries
Standby current at no input	:	<0.1mA
LED Indication	:	Green LEDs ON for 0.5 second after just USB power input Charging in progress - Green LED slow flashing Fully charged – Green LED ON Bad/Primary Batteries inserted – Red LED fast flash Input Voltage (Out of Range <4.5V or >5.5V) – Red and green led alternate flash Battery Level Check (BLC)* - Green LED ON for Battery Full Green LED Slow Flash for Battery NOT Full

* Insert 1-4 batteries in slot 1/2/3/4, it will start BLC mode with green LED indication on corresponding channel as mentioned above and keep for 5s. Then will go to normal charging To recheck BLC, just take out and insert battery again.

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Safety protection	:	1) Timer protection – 3/3/4.5/6 hours for 1/2/3/4 pcs batteries (Adaptor input) 2/3/4.5/6 hours for 1/2/3/4 pcs batteries (Charging Dock input)
		2) -dv
		3) Temperature cut-off
		4) Primary battery protection
		5) Reverse polarity protection
Operation Temperature	:	0°C to 33°C for input via charging dock at vertical placement 0°C to 30°C for input via individual adaptor or power bank at horizontal placement
Dimensions	:	68 (L) x 78 (W) x 26 (H) mm
Weight	:	52 g (approx.)
Certification	:	CE, UKCA, Rohs, FCC
Warranty Period	:	12 months from ex-factory date