

GP Batteries

PRODUCT SPECIFICATION

Charger & Portable Power Bank Model : X411

Revision History

Revision	Date	Initiator	Reason for Change
0.0	27 May 2017	CC Li	Preliminary release
1.0	12 Jun 2017	CC Li	Add protection modes
1.1	31 Aug 2017	CC Li	Change output current rating to 1A Operating Temp changed to 0-35C

Prepared By	Approved By
CC Li	Patrick Lee
Date: 31 Aug 2017	Date: 31 Aug 2017

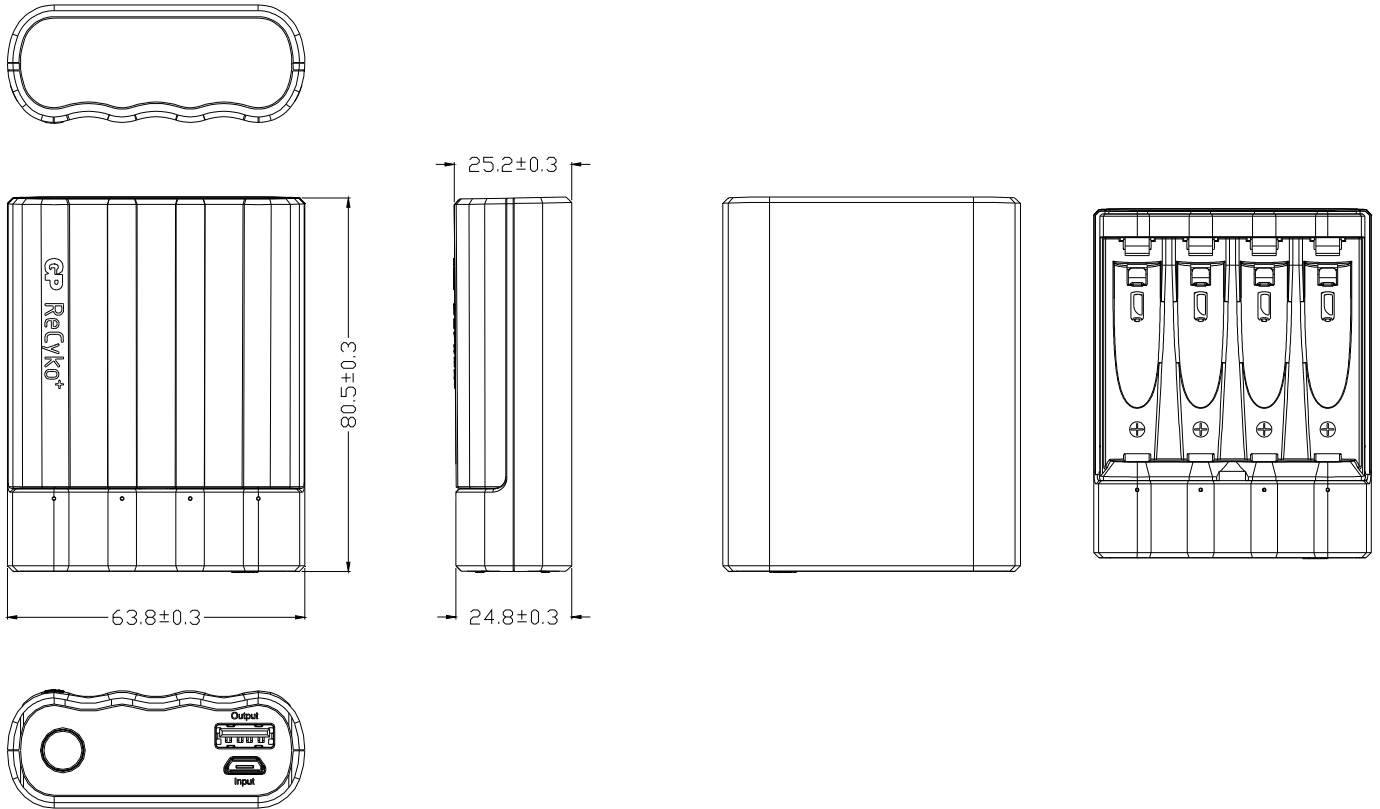
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Product Specification

Model no.: X411



Product Name	:	Charger & Portable Power Bank X411
Input	:	DC5V 0.5-1A
Charging Channels	:	4 independent channels for 1 - 4 pcs Ni-MH AA/AAA batteries
Charging Current	:	500mA +/-10% for AA/AAA Ni-MH batteries
Charging Time	:	AA 2000mAH, 280min approx. ; AAA 800mAh, 115min approx. at DC5V/1A input
Trickle Charging Current	:	50mA at input DC5V
Output	:	DC5V 1.0A max for backup power of USB powered electronic devices (e.g. smartphone)
Battery Leakage Current	:	0.1mA max. at idle
Operation Temperature	:	0°C to 35°C

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Safety protection : 1) Negative delta voltage
2) Over temperature
3) Safety timer
4) Short-circuit battery and primary battery
5) Reverse polarity
6) Over voltage of input
7) Output short circuit
8) Loop back of input & output

LED Indication : **Charging the NiMH batteries**

Charging Condition	Individual Channel LED
Charging in progress	Green Flashing
Fully charged & Trickle Charging	Green On
Charging Stop due to Dead/Primary/short circuit batteries	Red Flash

LED Indication : **Short Press button to show battery status :**

Battery Status	Individual Channel LED
Good	Green On
Weak	Red On
No Power	Red LED Flash

LED Indication : **Discharging to external mobile devices**

Battery Status	Individual Channel LED
Good	Green On
Weak	Red On
No Power or unit in cutoff protection	Red LED Flash

Dimensions : 80.5 (L) x 63.8 (W) x 25.2 (H) mm +/-0.5mm

Weight : 57g +/- 10g approx.)

Certification : CE, FCC, IEC, Rohs

Warranty Period : 12 months from ex-factory date

