

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	

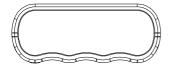
Prepared By	Approved By
CC Li	Patrick Lee
Date: 31 Aug 2017	Date: 31 Aug 2017

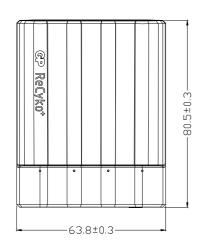
GPI International Limited

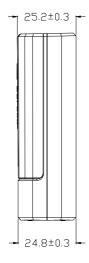
7/F, Building 16W, 16 Science Park West Avenue Hong Kong Science Park, New Territories, Hong Kong, Tel: (852) 2484 3333 Fax: (852) 24805912 Email: gpii@goldpeak.com
Website: http://www.gpbatteries.com

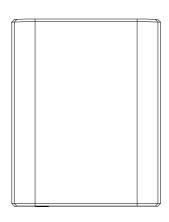
GP Batteries

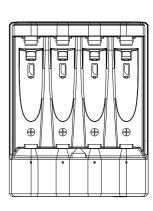
Product Specification



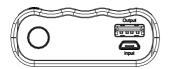








Model no.: X411



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



Product Specification

Safety protection : 1) Negative delta voltage

2) Over temperature

3) Safety timer

4) Short-circuit battery and primary battery

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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 & Trickling Charging	Green On		
Charging Stop due to	Red Flash		
Dead/Primary/short circuit			
batteries			

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 : $80.5 (L) \times 63.8 (W) \times 25.2 (H) \text{ mm +/-0.5mm}$

Weight : 57g +/- 10g approx.)
Certification : CE, FCC, IEC, Rohs

Warranty Period : 12 months from ex-factory date