

# ***POWERTECH***

## **Single Channel Universal Battery Charger**



**User Manual**  
**MB-3705**

## Box Contents:



1 x Battery Charger



1 x USB Micro B Power Cable

## Product Diagram:



#	Feature	Description
1.	USB Power Socket	Connect to the USB power cable and suitable USB power source
2.	LED	Shows power, charging, reverse polarity alarm, short circuit or bad battery alarm status
3.	Battery Slot	Insert a Li-ion battery into the charging slot

## Operation:

1. Insert the USB micro B power cable in to a suitable 5VDC USB mains power adaptor (not included) or a suitable USB port such as a computer.
2. Insert the USB micro B plug from the USB power cable to the USB power socket located on the rear of the battery charger.
3. The LED will flash green and red alternatively indicating that it is powered correctly.
4. Insert a Lithium ion (Li-ion) battery into the charging slot.
5. Once a battery has been inserted; the LED will change to red indicated it is charging.

**Note: If the red LED is flashing then it indicates reverse polarity, short circuit or a bad battery.**

6. Once the battery is fully charged; the LED will change to green.

## LED Status Indicator:

<b>LED:</b>	<b>Description:</b>
Green & Red Flashing	Power Connected
Green On	Battery Charged
Red On	Charging
Red Flashing	Reverse Polarity, Short Circuit, Bad Battery
Red Flashing Fast	Mains Power Too Low

## Troubleshooting:

<b>Problem:</b>	<b>Solution:</b>
Battery Won't Charge	Connect to a suitable USB charging source such as a USB mains power adaptor or USB charging port and make sure it's correctly turned on.
	Make sure the battery is the correct Li-ion type according to the specifications
	Make sure the battery is in working order and not completely damaged.
No Power / LED	Ensure the USB charging cable is connected properly to a USB charging port or USB charging adaptor.
	Check to see if your USB power source is working correctly.

## **Safety:**

1. Do not open the case of this product to prevent the unit from damage.
2. Keep the battery charger away from high temperatures as it may damage the device.
3. Do not expose the battery charger to water or liquids to prevent the unit from damage.
4. Please disconnect the battery charger from power when not in use.
5. This battery charger is for indoor use only.

## **Features:**

- . Short Circuit Protection
- . Zero Volt Battery Activation
- . Reverse Polarity Protection
- . Over Charge Protection

## Specifications:

Input: 5VDC, 1A

Output: 4.2V, 1A (Battery Above 0.65mm)/ 0.5A  
(Battery Below 0.65mm)

Battery Compatibility: 10440, 14500, 16340, 17335,  
17670, 18490, 18650, 22650,  
26500, 26650

Supported Battery: 3.6-3.7V Li-ion

Protection Voltage: 4.2V $\pm$ 0.05V

Dimensions: 100(L) x 32(W) x 28(D)mm

Distributed by:  
Electus Distribution Pty. Ltd.  
320 Victoria Rd, Rydalmere  
NSW 2116 Australia  
Ph: 1300 738 555  
Int'l: +61 2 8832 3200  
Fax: 1300 738 500  
[www.techbrands.com](http://www.techbrands.com)