

POWERTECH

MB3212

2-Channel Battery Charger



Instruction Manual

Please read and save all instructions to ensure safe and effective use of this product.



Fig.1



Fig.2

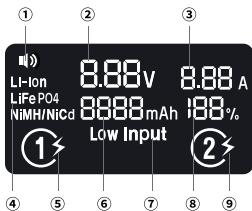


Fig.3



Fig.4

Device Description

Basic elements (see Fig.1)

- 1 - LCD display
- 2 - Slot 1 (channel 1)
- 3 - Slot 2 (channel 2)
- 4 - Cooling grid

Power connection (see Fig. 2)

- 1 - USB-C input port
- 2 - Channel switch button

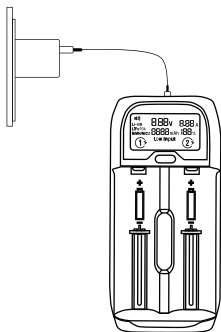
LCD display (see Fig.3)

- 1 - Sound signal on / off
- 2 - Charging voltage / standby
- 3 - Charging current
- 4 - Battery type
- 5 - Channel 1
- 6 - Capacity measurement
- 7 - Low input detection
- 8 - Battery level
- 9 - Channel 2

Power cable (see Fig.4)

- 1 - USB-C connector
- 2 - USB-A connector

Using the device



Power Supply

- 1 - Connect the USB-C connector (see Fig. 4 - 1) of the enclosed cable to the USB-C socket in the charger (see Fig. 2 - 1).
- 2 - Connect the USB-A connector (see Fig. 4 - 2) of the enclosed cable to the adapter or other device from which the charger will be powered.
- 3 - Make sure that the adapter is connected to the mains or that the device is sufficiently powered or charged (eg laptop, powerbank, etc.).
- 4 - The charger will perform autodetection and

- inspection after proper power connection. First, the entire display lights up and after 1.5 s the word " null " is displayed (see Fig. 3 - 2) and an acoustic signal sounds. The device is now ready for charging.
- 5 - You can turn the sound notification on or off at any time by quickly pressing the channel switch button twice (see Fig. 2 - 2).

Charging Process

- 6 - Insert the rechargeable battery according to the orientation indicated on each slot, thus positive pole (+) to the top (see Fig. 1 - 2).
- 7 - The type of detected battery flashes on the display (see Fig. 3 - 4). If you want to select another type manually, hold down (while the selected type is still flashing) the channel switch button (see Fig. 2 - 2) for 3 s and press repeatedly to select the desired type. Once the indication of the selected type stops flashing, the selection cannot be changed again. To repeat the detection, in this case, remove the battery and repeat the procedure.
- 8 - You can now insert the battery into the second slot. LCD backlight automatically turns off after 30 s. You can simply turn it on shortly pressing the channel

switch (see Fig. 2-2).

- 9 - When the LCD backlight is active, during charging you can switch between the information about the charging of batteries in the individual slots 1 and 2 (see Figures 3 - 5 ; 9) by pressing the channel switch (see Fig. 2-2).
- 10 - After charging is completed, it shows how much the battery has been charged (its full capacity corresponds to this value if the battery was fully discharged before charging started) and then the value of 100% charge. The charging current is 0.00 A, the voltage is maximum and " Full " flashes.

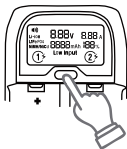


NOTE:

For 3.2V LiFePO4/3.85V Li-ion batteries, the charger can't identify them automatically, you need select the related battery type manually. If the LiFePO4 batteries are not set manually, they will be charged the same as Li-ion 4.2V which will make LiFePO4 batteries over-charged. It also has risk of explosion.

Button Function

- 1 - Switch the channel, so that we can see all information of each slot
- 2 - Light the LCD display when it becomes dark
- 3 - Select correct battery type



Specification

	Input	DC 5V/2A
	Battery Types	Ni-MH/Ni-Cd/Li-ion/LiFePO4
	Max Wattage	10W
	Current	1A*2(Ni-MH/Cd) 2A*1; 1A*2 (Li-ion) 2A*1; 1A*2 (LiFePO4)
	Size(L*W*H)	121 * 60 * 33 MM
	Weight	95g $\pm$ 5g
	Certificated by	CE, ROHS, FCC

Remark: Charger will adapt charging current according to input power, battery condition, battery quantity and battery type automatically.

Attention



Use sufficient power supply



Avoid dropping



Select correct battery type



Don't disassemble



Don't expose to liquids



Avoid extreme temperature

Warranty Information

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase.

Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

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