

BX-20LF AC LiFe Charger

Thank you very much for purchasing BX-20LF. This instruction manual indicates precautions to protect safety and handling of this product. Please refer this manual and manuals of the batteries before using. Please keep this manual with the charger. Please check this manual again when you need reference.

■ Read First



Warning

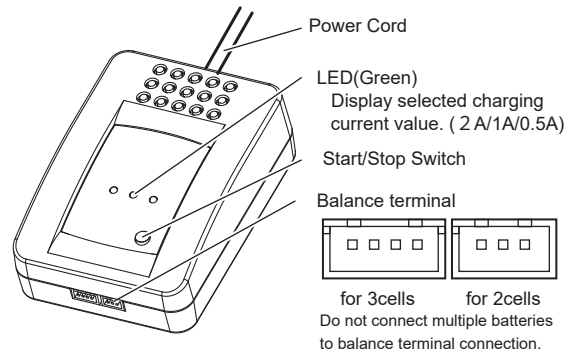
If you do not observe the following contents, it is assumed that it will occur due to a high possibility of death or serious injury.
 # This machine is a charger exclusive for LiFe battery for the models. Please do not use it for other types of batteries and applications. # Always monitor and watch during charging, so that you can deal with it immediately if an abnormal situation occurs. # Please be careful that foreign matter such as metal and water do not get inside this product. Please refrain from using it in places with lots of dust and hair. # When lightning begins, stop charging quickly and unplug the power cord from the outlet. # Always set the charging current value according to the instruction manual of the battery and if unknown, contact the battery manufacturer. # Do not charge batteries that may have abnormalities such as scratches, deformations, leaks. *We are not responsible for any leakage, rupture, heat generation, ignition accident, malfunction caused by deterioration or failure of the battery. # Please use a safety bag or appropriate processing when charging battery and do not bring your body close to the battery. # If there is a liquid leak from the battery by any chance during charging, please be careful not to get the liquid into your eyes. *There is a fear of blindness. # Do not carry this product together with metal when transporting the battery. Do not short-circuit terminals or connectors. # When using this product, please do not place things that are flammable near by. It may cause ignition. # Do not use or leave it in places where high temperature is expected, such as where there is a direct sunlight, near a stove, etc. It will be cause a battery accident, it may also cause heat generation or breakdown of this product.



Cautions

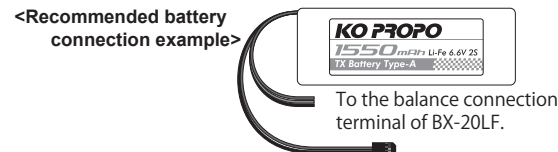
If you do not observe the following contents, it is assumed that "It is possibility of damage or loss of accident occurs".
 # Do not open the case or disassembly/remodel it.
 # Do not wet it with water, seawater, or bring it to humid place.
 # Please do not use the charger with heat, place things that may ignite or threaten to deform or use near such things.
 * This product may get hot even during normal operation.
 # Please do not place anything on top of this product.
 # Do not remove or connect power cord from outlet while the battery is connected.
 # Do not pull on the power cord. If it is worn out or damaged, please send it in for repair.
 # Do not place it in an unstable place, please do not give a strong shock.
 # When not charging, please be sure to remove the battery and the power cord from this product.
 # For children to use, adults should ensure safety and provide appropriate guidance.
 # Please charge the battery within the temperature range of in 0 -40°C.

■ Name of each parts / products specifications.



Usage: Charge battery for model
 Dimensions: 112x80x39mm (Excluding protrusions)
 Weight: 248g
 Power supply: AC100 - 200V
 Type of rechargeable battery by this products: Li-Fe battery (2-3cells)
 Connectors: JST XH
 Charging Current: 2A/1A/0.5A (Selectable)
 Operation Key: Push switch

Recommended Battery
 No.73018 Tx Life Battery 2N-1500
 No.02167 ROBO Power Cell F2-850Type(Li-fe)
 No.02168 ROBO Power Cell F2-1450Type(Li-fe)
 No.02171 ROBO Power Cell F3-850Type(Li-fe)
 No.02172 ROBO Power Cell F3-1450Type(Li-fe)
 No.02174 ROBO Power Cell F3-2100Type(Li-fe)



Please connect to only Balance terminal when charging.

Because polarity is different, please do not use our company rechargeable battery other than recommended.

■ How to use

1, Preparation for charging.

When Power cord of this product is connected to an AC outlet, each LED of the main unit blinks and it turns on (green).
 (Last charge mode and current value are selected automatically.)

2, Selection of Charging current value (2A/1A/0.5A)

Each time the start / stop switch is pressed briefly, the position of LED (green) changes and you can select recommended charging current value for the battery.
 *Charging current value can be changed by briefly pressing the start / stop switch even while charging.

3, Connect charging connector.

Connect the balance terminal connector of the LiFe battery to the balance terminal connection terminal (3 cells or 2 cells) on the main unit.
 *You can not charge more than one battery at the same time. Please connect only one battery.
 *The number of cells is automatically selected when connecting a battery, operation is unnecessary.
 *There is a polarity at the terminal. Since it can connect only in one direction, please do not force it in the opposite direction.

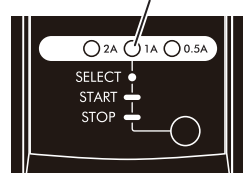
4, Start charging.

Press and hold the start/stop switch to start charging, LED (green) flashes while charging.
 It is possible to terminate the charge prematurely by pressing and holding the start/stop switch during a charge.

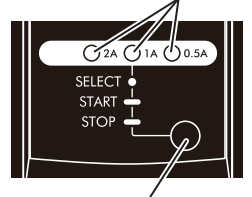
5, Charging complete

When charging is completed, an alarm sounds and the LED (green) lights up. If the battery is still connected after charging, an alarm will be announced every other minute.
 In this situation, the start/stop switch can not be operated. Please disconnect the battery from the charger once.

1, LED (green) lights up

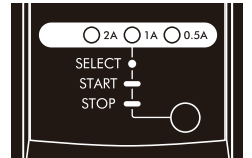


2, The lighting position of LED (green) changes



Short press to select current value

4, LED flashes (charging)



Long press to start charging

Error description

- If charging does not end even after 2 hours or more, the battery may be out of balance.
- Please discharge to about half the capacity and then recharge.
- In this case, there is a possibility that the battery has lost its balance or the capacity of the battery is lost. Please do not charge this battery.

Disclaimer

- We are not responsible for any problems with connecting the BX - 20LF to the battery and charging procedure in a way different from this manual.
- This product is intended for using model purpose batteries, but not all products are compatible. We are not responsible for inconsistencies due to connector shape and specification.

■ Contact information for repairing goods

Requesting repair service
 Please write the following items in as much detail as possible and send it with the repair goods.
 (1) Situation of the trouble.
 (2) Equipment used. (type of transmitter, receiver, servo, and esc)
 (3) Vehicle name and installing situation when being installed.
 (4) The type and the number of items that have been sent.
 (5) Return address, name, and telephone number

KONDO KAGAKU CO.,LTD.
Service department TEL : 03-3807-7648 (service)
 Hours of operation: 9:00-12:00 & 13:00-17:00
 M-F except national holidays Saturday and Sunday closed
ADDRESS :
 4-17-7 Higashi-Nippori, Arakawa-ku Tokyo Japan
 116-0014