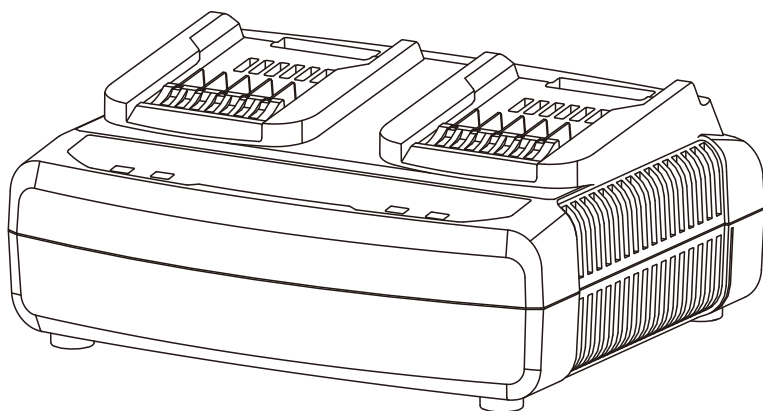




**OPERATOR'S MANUAL**  
**MANUAL del OPERADOR**  
**使用说明书**



## **Dual Channel Rapid Charger**

### **For Li-ion Battery Pack**

# **BC18-2A**



**WARNING**  
**ADVERTENCIA**  
**警告**

To reduce the risk of injury, user must read and understand operator's manual.  
Para reducir el riesgo de lesiones, el usuario debe leer y entender el manual.  
为了降低受伤风险，用户必须阅读并理解使用说明书

# IMPORTANT SAFETY INSTRUCTIONS



## WARNING

**READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

## SAVE THESE INSTRUCTIONS

- 1. SAVE THESE INSTRUCTIONS - THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE SHINEMATE LI-ION CHARGER.**
- 2. BEFORE USING THE BATTERY PACK AND CHARGER, READ THIS OPERATOR'S MANUAL, YOUR TOOL OPERATOR'S MANUAL, AND ALL LABELS ON THE BATTERY PACK, CHARGER AND TOOL.**
- 3. TO REDUCE THE RISK OF INJURY, CHARGE SHINEMATE RECHARGEABLE LI-ION BATTERIES ONLY IN SHINEMATE CHARGERS.** Other types of batteries may burst causing personal injury and damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Batteries will be permanently disabled or damaged.
- 4. USE SHINEMATE LI-ION PACKS ONLY ON COMPATIBLE SHINEMATE LI-ION TOOLS.** Use with other tools may result in a risk of fire, electric shock or personal injury.
- 5. AVOID DANGEROUS ENVIRONMENTS.** Do not charge battery pack in rain, snow, damp or wet locations. Do not use battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery pack, possibly causing fire.
- 6. CHARGE IN A WELL VENTILATED AREA.** Do not block charger vents. Keep them clear to allow proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.
- 7. MAINTAIN CHARGER CORD.** When unplugging charger, pull plug rather than cord to reduce the risk of damage to the electrical plug and cord. Never carry charger by its cord. Keep cord from heat, oil and sharp edges. Make sure cord will not be stepped on, tripped over or subjected to damage or stress. Do not use charger with damaged cord or plug. Have a damaged charger replaced immediately.
- 8. DO NOT USE AN EXTENSION CORD UNLESS IT IS ABSOLUTELY NECESSARY.** Using the wrong, damaged or improperly wired extension cord could result in the risk of fire and electrical shock. If an extension cord must be used, plug the charger into a properly wired 16 gauge or larger extension cord with pins that are the same number, size and shape as the pins on the charger. Make sure that the extension cord is in good electrical condition.
- 9. CHARGER IS RATED FOR 100-240 VOLT AC.** Charger must be plugged into an appropriate receptacle.
- 10. USE ONLY RECOMMENDED ATTACHMENTS.** Use of an attachment not recommended or sold by the battery charger or battery pack manufacturer may result in a risk of fire, electric shock or personal injury.
- 11. UNPLUG CHARGER WHEN NOT IN USE.** Remove battery packs from unplugged chargers.
- 12. TO REDUCE THE RISK OF ELECTRIC SHOCK,** always unplug charger before cleaning or maintenance. Do not allow water to flow into AC/DC plug. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.
- 13. DO NOT BURN OR INCINERATE BATTERY PACKS.** Battery packs may explode, causing personal injury or damage. Toxic fumes and materials are created when battery packs are burned.
- 14. DO NOT CRUSH, DROP, OR DAMAGE battery pack.** Do not use a battery pack or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).
- 15. DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire or exposure to battery chemicals. If it is damaged, take it to a SHINEMATE service facility.
- 16. BATTERY CHEMICALS CAUSE SERIOUS BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to dispose of it. If skin is exposed to battery fluids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- 17. DO NOT SHORT CIRCUIT.** A short-circuited battery pack may cause fire, personal injury, and product damage. A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as coins, keys or nails in your pocket.
- 18. DO NOT ALLOW FLUIDS TO FLOW INTO BATTERY PACK.** Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.
- 19. STORE YOUR BATTERY PACK AND CHARGER IN A COOL, DRY PLACE.** Do not store battery pack where temperatures may exceed 104°F (40°C) such as in direct sunlight, a vehicle or metal building during the summer.
- 20. THIS CHARGER AND BATTERY PACK ARE NOT INTENDED FOR USE BY CHILDREN AND PERSONS WITH PHYSICAL, SENSORY OR MENTAL LIMITATIONS OR A LACK OF EXPERIENCE OR KNOWLEDGE.**

## SPECIFICATIONS

<b>Art. No.</b>	<b>BC18-2A</b>
<b>Input</b>	100-240 VAC 50/60 Hz
<b>Output</b>	18 VDC Max. 6.5 Amps
<b>Rated Power</b>	150 W
<b>Recommended Ambient</b>	+4°C to +40°C

## INTENDED USE

The battery charger is designed for charging SHINEMATE batteries of types:

	Estimated Charging Time
- B1825A 18V (2.5 Ah)	30 min
- B1850A 18V (5.0 Ah)	60 min
- B1860A 18V (6.0 Ah)	75 min
- B1880A 18V (8.0 Ah)	100 min
- B1890A 18V (9.0 Ah)	120 min
(compliant types are not limited to the above listed)	

The battery voltage must match the battery charging voltage of the charger. Otherwise there is danger of fire and explosion.

Depending on charge state, heavily cycled batteries may take longer to charge completely.

## SYMBOLOLOGY



Before switching on the power tool, read the operating manual!



Device is suitable for use indoors only. Store electric power tool and batteries in dry rooms.



There is a risk of electric shock in case of incorrect use.



Protect the battery from heat, e.g. from continuous exposure to sunlight and fire. There is a risk of explosion.



Do not throw battery in the fire. There is a risk of explosion.



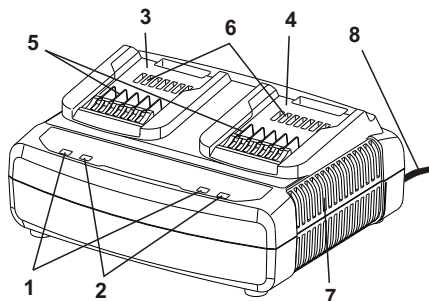
Do not expose the device to rain, keep the device away from water.



Recycling raw materials instead of waste disposal. Do not throw the electric power tools into the household waste! Power tools must be collected separately and recycled in an environmentally friendly manner.



## FUNCTIONAL DESCRIPTION



1. Red Lights
2. Green Lights
3. Bay-1
4. Bay-2
5. Electrical Contacts
6. Vents for Battery Cooling
7. Charger Vents
8. Cord

## STATUS INDICATION

### 1. Red Lights



**Flashing:** Damaged or faulty battery pack



**Continuous:** Battery is too hot/cold, charging will begin when battery reaches correct charging temperature

### 2. Green Lights



**Fast flashing:** Charging



**Slow flashing:** Approaching full charge

**Very slow flashing:** Waiting, charging will begin when the first pack is fully charged



**Continuous:** Charging is complete (with Pack)  
Stand by (without pack)

### 3. Self-check 4 lights flash in turns

### 4. Charger Faulty Indication

**Faulty Charger:** 4 lights flash at the same time

**Faulty Charger Cooling fan:** Red light flashes like ^ \_ ^ \_

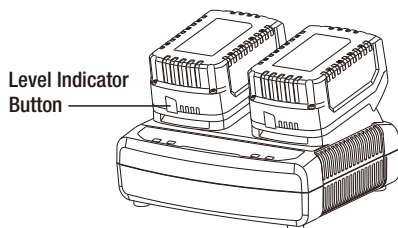
► If the charger faulty sign appears, or if the stand-by sign does not come on, remove pack(s) and unplug charger for at least 2 minutes. After 2 minutes, plug charger back in and insert pack. If the problem persists, contact the service center for check.

► If the battery pack faulty sign appears, try to reinsert the pack, if the faulty sign happens on all other good packs, the charger may be in faulty, contact the service center.

## WHEN TO CHARGE THE BATTERY PACK

- ▶ New battery pack need to be charged before use.
- ▶ Remove the battery pack from the tool for charging when convenient for you and your job. SHINEMATE batteries do not develop a "memory" when charged after only a partial discharge. It is not necessary to run down the battery pack before placing it on the charger.
- ▶ The battery packs not in often use need to be charged for each 3 months.
- ▶ The long-time uncharged battery pack may enter into a "sleep" status due to the gradually dropping down of voltage, charger may not be able to reactivate it. Such battery pack needs to be sent to the service center to reactivate with special equipment. The reactivation is not guaranteed to be successful subject to battery condition.

## HOW TO CHARGE THE BATTERY PACK



- ▶ Align the battery pack with the bay and slide the battery pack into the charger until it is locked.
- ▶ The red light may come on, either continuous (battery pack is too hot or cold), or flashing (battery pack is faulty).
- ▶ The green light will come on, flashing quickly(pack is charging)
- ▶ The green light come to flashing slowly(charging is approaching full), this pack is 80% full, it can use now, but it is suggested to continue the charging until it is fully charged.
- ▶ When charging starts at any of the bays, the corresponding cooling fan starts to run.
- ▶ After charging is complete, the green light will come continuous on.
- ▶ Use the level indicate button on the battery pack to show the how fully charged the pack is.
- ▶ The charger will keep the battery pack fully charged if it is left on the charger.
- ▶ The charger will charge the 2 battery packs in turns, the first pack been inserted in will be charged firstly, the green light near the 2nd pack flashing very slowly (battery pack is waiting for another pack to finish charging)
- ▶ Mounting to the Wall: Use the wall mount guides to mark the hanging points.

## STORAGE AND MAINTENANCE

- ▶ Store your charger in a cool, dry place.
- ▶ Unplug battery chargers and remove batteries when not in use.

### ⚠ WARNING

**To reduce the risk of injury, always unplug the charger and remove the battery from the charger before performing any maintenance.**

**Never disassemble the battery or charger. Contact a SHINEMATE service facility for ALL repairs.**

- ▶ Clean out dust and debris from charger vents and electrical contacts by blowing with compressed air.
- ▶ Remove dirt and dust from the housing with a paint brush or dry cloth, keeping away from all electrical contacts.
- ▶ Never use flammable or combustible solvents around batteries, charger, or tools.
- ▶ Never immerse your battery or charger in liquid or allow a liquid to flow inside them.

## CE-DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product described under "Technical Data" conforms to the following standards or normative documents:

EN 60335-1, EN 60335-2-29, EN 55014-1,  
EN 55014-2, EN 61000-3-2, EN 61000-3-3,  
2014/35/EU, 2014/30/EC

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Jan 1st,2020

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## EXEMPTION FROM LIABILITY

The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product.

The manufacturer and his representative are not liable for any damage which was caused by improper use of the power tool or by use of the power tool with products from other manufacturers.