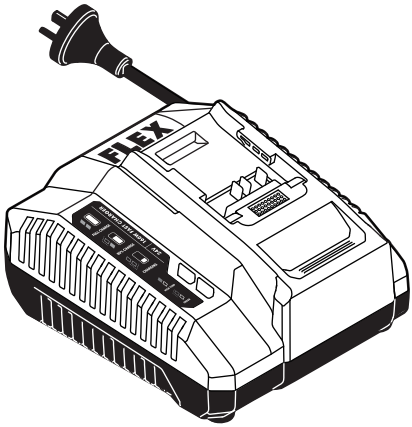
FLEX

OPERATOR'S MANUAL



Model: FXA0411

24V 160W CHARGER

⚠ WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

Please contact FLEX customer service in Australia 1300 000 346 or New Zealand 0508 000 346 any time you have questions or warranty claims.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

⚠ WARNING Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "**DANGER**", "**WARNING**" and "**CAUTION**" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.	
	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for battery charger Models FXA0411.

Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery pack, and (3) product using battery.

⚠ CAUTION To reduce risk of injury, charge only Li-Ion type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.

Charge battery pack within the required temperature range. Store charger and battery pack in locations where temperature is within the recommended storage temperature range. This is important to prevent serious damage to the battery cells.

Do not recharge battery in damp or wet environment. Do not expose charger to rain or snow. Water entering battery charger may result in electric shock or fire.

Battery leakage may occur under extreme usage or temperature conditions. Avoid contact with skin and eyes. The battery liquid is caustic and could cause chemical burns to tissues. If liquid comes in contact with skin, wash quickly with soap and water. If the liquid contacts your eyes, flush them with water for a minimum of 10 minutes and seek medical attention.

Place charger on flat nonflammable surfaces and away from flammable materials when recharging battery pack. Carpeting and other heat insulating surfaces block proper air circulation which may cause overheating of the charger and battery pack. If smoke or melting of the charger or battery pack is observed, unplug the charger immediately and do not use the battery pack or charger. Contact customer service immediately.

Keep the cord and charger from heat to prevent damage to housing or internal parts.

Do not allow gasoline, oils, petroleum-based products, etc. to come in contact with plastic parts. These materials contain chemicals that can damage, weaken, or destroy plastic.

Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress. Damaged plug and cord may result in electric shock or fire.

Disconnect the charger by pulling the plug rather than the cord. Do not operate charger with damaged cord or plug; have them replaced immediately. Damaged plug or cord may result in electric shock or fire.

Do not insert battery pack in charger if battery pack case is cracked. Using damaged battery pack may result in electric shock or fire.

Do not disassemble charger or operate the charger if it has received a sharp blow, been dropped or otherwise damaged in anyway. Incorrect reassembly or damage may result in electric shock or fire.

Before each use, check the battery charger, cable and plug. If damage is detected, do not use the battery charger. Never open the battery charger yourself, take it to a FLEX Factory Service Centre, or qualified serviceman only using original spare parts. Incorrect reassembly may result in electric shock or fire.

Do not touch the uninsulated portion of output connector or uninsulated battery terminal. There is a risk of electric shock.

Do not use attachment not recommended or sold by FLEX. Using attachments not recommended may result in electric shock or fire.

Do not store battery pack in charger. Battery pack stored in charger over a long period of time could lead to battery pack damage and fire.

Unplug charger from outlet before storage, attempting any maintenance or cleaning. Such preventive safety measures reduce the risk of electric shock or fire.

Keep the battery charger clean by blowing compressed air on charger vents and wiping the charger housing with a damp cloth. Contamination may result in electric shock or fire.

Replace battery pack if a substantial drop in operating time per charge is observed. Battery pack may be nearing the end of its life.

To reduce the risk of injury, close supervision is necessary when an appliance is used near children.

Do not use outdoors.

The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

Children being supervised not to play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

SYMBOLS

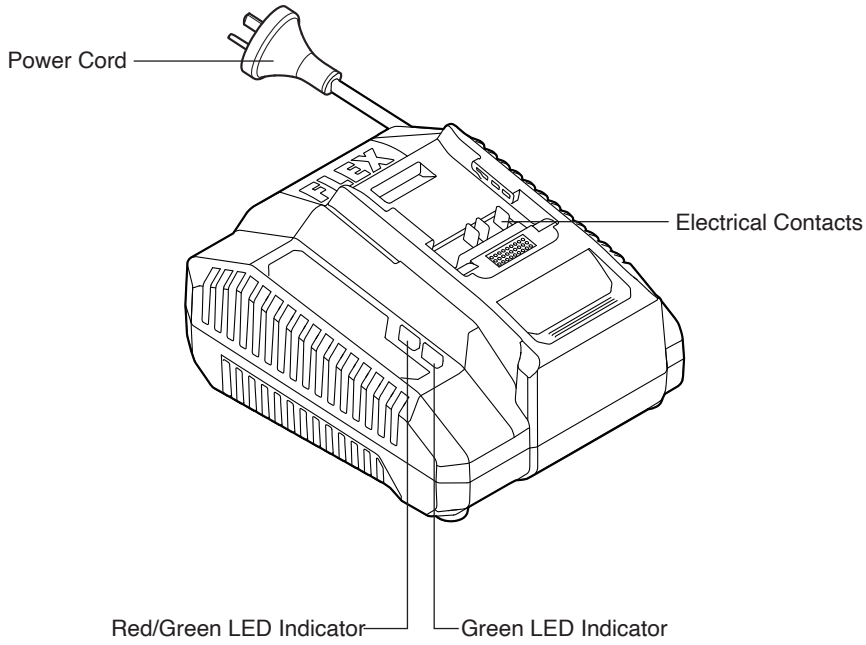
IMPORTANT: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Designation/Explanation
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Wh	Watt-hours	Battery capacity
Ah	Ampere-hours	Battery capacity
O	Off position	Zero speed, zero torque...
1,2,3,… I,II,III,	Selector settings	Speed, torque, or position settings. Higher number means greater speed
~	Alternating current (AC)	Type or a characteristic of current
⎓	Direct current (DC)	Type or a characteristic of current
≂	Alternating or direct current (AC / DC)	Type or a characteristic of current
⧈	Class II tool	Designates double insulated construction tools.
	WEEE	Waste electrical products should not be disposed of with household waste. Take to an authorised recycler.
	Read operator's manual	To reduce the risk of injury, user must read operator's manual.
	Indoor use	Use this device indoors only
T 3.15A	Fuse-links	Time-lag miniature fuse-link
	Regulatory compliance mark	This product complies with applicable Australian standards.

FUNCTIONAL DESCRIPTIONS AND SPECIFICATIONS

Charger

Fig. 1



Model No	FXA0411															
Rated Input	220-240V~, 50Hz, 160W															
Rated Output	24V ⎓, 5A															
Battery Compatibility	2.0Ah FXA0311		3.5Ah FXA0321		6.0Ah FXA0331		10.0Ah FXA0341		2.5Ah FXA0111		5.0Ah FXA0121		8.0Ah FXA0221		12.0Ah FXA0231	
Approximate Charging Time (minutes)	80%	100%	80%	100%	80%	100%	80%	100%	80%	100%	80%	100%	80%	100%	80%	100%
	20	25	30	35	55	65	90	105	25	30	50	60	75	90	120	140
Recommended Charging Temperature	-7°C~45°C								5-40°C							
Recommended Storage Temperature	< 50°C															

NOTE: All charging times are subject to environmental temperature and the battery pack condition.

Intended Use

The battery charger is designed for charging FLEX 24V batteries. The battery voltage must match the battery charging voltage of the charger. Otherwise there is danger of fire and explosion.

IMPORTANT CHARGING NOTES

1. A substantial drop in operating time per charge may mean that the battery pack is nearing the end of its life and should be replaced.
2. Remember to unplug the charger during storage.
3. If battery does not charge properly:

a. Check for power at the outlet by plugging another electrical device into the outlet.

b. Check to see if outlet is connected to a light switch that turns power “off” when the lights are turned off.

c. Check the battery pack terminals for dirt. Clean with a cotton swab and alcohol, if necessary.

d. If proper charging still does not occur, take or send the tool, battery pack and charger to your local FLEX Service Centre. Please refer to the Customer Service information on the cover of this manual.

NOTICE: Use of chargers or battery packs not sold by FLEX will void the tool warranty.

OPERATING INSTRUCTIONS

⚠ WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your charger or battery pack in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc. can cause a short circuit.

⚠ WARNING Do not attempt to modify the charger or create accessories not recommended for use with this charger. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.

HOW TO CHARGE THE BATTERY PACK (FIG. 2)

⚠ WARNING Do not use the charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.

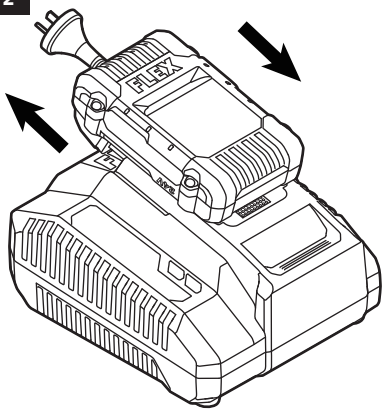
NOTICE: Lithium-Ion battery packs are shipped partially charged. Before using it the first time, fully charge the battery pack.

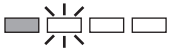
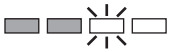
a. Connect the charger to the power supply (220-240V~, 50Hz). When connected to the power supply, the green and red LED indicators on the charger will flash once at the same time and then go out, indicating that the charger self-inspection is completed.

b. Align the raised ribs of the battery pack with the slots in the charger and slide the battery pack onto the charger.

c. The charger will communicate with the battery pack to evaluate the condition of the battery pack.

Fig. 2



Battery Pack Charge Status	Power Indicator	
<25%		Last segment flashing, the rest are solid
25%-50%		
50%-75%		
≥75%		

d. When the battery pack is charging, the green LED will flash. The power indicator on the battery will flash according to the current capacity level. The fan in the charger continuously works to cool the battery pack.

e. Once the battery is 80% charged, the green LED shows solid green, the red/green LED starts flashing green. When the battery pack is fully charged, the red/green LED will remain green without flashing. The power indicator on the battery pack will go out.

f. The battery pack will fully charge if left on the charger, but it will not overcharge.

NOTICE: A significantly reduced run time after fully charging the battery pack indicates that the battery is near the end of its usable life and must be replaced.

The charger may become warm during charging. This is part of the normal operation of the charger. Charge in a well-ventilated area.

Charger Display

Mode	Green LED on the Charger	Red/Green LED on the Charger	Power Indicator on the Battery Pack	Note
Self-inspection completed	Flashing once	Flashing red once	Off	Red and Green LED flash once at the same time
Self-inspection failed	Off	Off	Off	No reaction when the charger is plugged in
Standby	Off	Off	Off	Plugged in; battery pack is not on the charger
Charging	Flashing	Off	Flashing according to the current capacity level.	Battery is less than 80% charged
	Steady	Flashing green		Battery is 80% charged
Full charge	Steady	Steady	Off	
Cold/Hot battery	Off	Steady	Off	Remove the battery pack from the charger
Defective	Off	Flashing red or off	Off	Battery pack or charger is defective

CHARGING A HOT OR COLD BATTERY PACK

A steady red LED indicates that the battery is over or under the optimal temperature. Remove the battery pack from the charger. If the battery is too hot, cool the battery under air flow. If the battery is too cold, place it indoors until it reaches room temperature.

DEFECTIVE CHARGER

If the charger self-inspection fails to react when the charger is plugged in, the causes include no power to the charger, bad contacts, or a defective charger. Check to see if the charger self-inspection can be activated when the charger is plugged in again or plugged into a different outlet. If it still fails, have the charger serviced by an Authorised FLEX Service Station.

DEFECTIVE BATTERY PACK

If the charger detects a problem, the red/green LED will begin flashing red. Remove and re-insert the battery pack in the charger. If the red/green LED still flashes red, try charging a different battery pack.

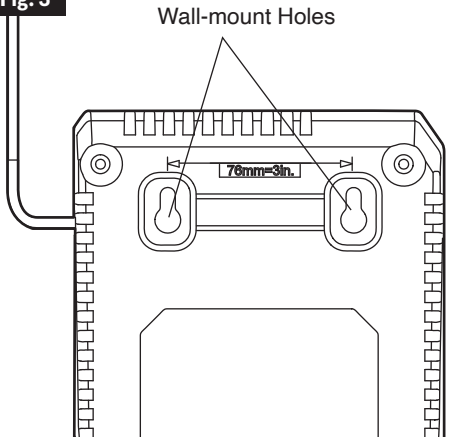
a) If a different battery pack charges normally, have the first defective battery pack serviced by an Authorised FLEX Service Station.

b) If a different battery pack also indicates “defective”, the charger may be defective. Have the charger serviced by an Authorised FLEX Service Station.

WALL-MOUNT HOLES (FIG. 3)

The charger has wall-mount holes for convenient storage. Install screws in the wall 76mm apart. Use screws sufficiently strong to hold the combined weight of the charger and battery pack.

Fig. 3



MAINTENANCE

SERVICE

⚠ WARNING Preventive maintenance performed by unauthorised personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a FLEX Factory Service Centre or Authorised FLEX Service Station.

GENERAL MAINTENANCE

⚠ WARNING When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.

Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Securely tighten all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service or an authorised service centre for assistance.

⚠ WARNING To avoid serious personal injury, always remove the battery pack from the charger/tool when cleaning or performing any maintenance.

CLEANING

⚠ WARNING The tool may be cleaned most effectively with compressed dry air. **Always wear safety goggles when cleaning tools with compressed air.**

Ventilation openings and switch selectors must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

⚠ WARNING Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

STORAGE

Store the tool indoors in a place that is inaccessible to children. Keep away from corrosive agents.

WARRANTY STATEMENT

Chervon Australia Pty Ltd (ABN 36 165 077 501) of Unit 14,5 Kelletts Road, Rowville, Victoria, 3178, and Chervon New Zealand Subsidiary Ltd (NZBN 9429049277616) (**Chervon)** provides the following warranty (**Warranty**) to original domestic purchasers in Australia and New Zealand as applicable (**Customers**) of its FLEX 24V Tools, FLEX 24V Batteries and Chargers and FLEX STACK PACK™ Storage System (collectively **Products**).

The benefits of this Warranty are in addition to any rights and remedies imposed by Australian State and Federal or New Zealand legislation that cannot be excluded. Nothing in this Warranty is to be interpreted as excluding, restricting or modifying any legislation relevant to the supply of goods and services in Australia or New Zealand, as applicable, which cannot be excluded, restricted or modified.

In Australia, if the claimant is a "consumer" under the *Australian Consumer Law,* Chervon confirms the following:

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 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 the failure does not amount to a major failure.

WARRANTY

Chervon warrants that, subject to the terms of this Warranty and the exclusions and limitations contained herein, the Products will be free from defects in materials and workmanship for the following period, as applicable, calculated from the date of purchase of the Product (**Warranty Period**):

- If the Customer registers its purchase of the Product online at www.flex-tools.com.au in Australia or www.flex-tools.co.nz in New Zealand within 30 days of the date of its purchase (**Registration**), the Warranty Period for the following Products is as follows
  - FLEX 24V Tools: 5 years;
  - FLEX 24V Batteries and Chargers: 5 years;
  - FLEX STACK PACK™ Storage System: 1 year;
  - FLEX Accessories & Consumables: 90 Days
- If the Customer fails to complete Registration as outlined above, the Warranty Period for the following Products is as follows:
  - FLEX 24V Tools: 3 years;
  - FLEX 24V Batteries and Chargers: 3 years;
  - FLEX STACK PACK™ Storage System: 1 year;
  - FLEX Accessories & Consumables: 90 Days

For further clarification and avoidance of doubt please refer to the FLEX product warranty table included below.

If, before the end of the Warranty Period, a defect appears in the manufacture or assembly of a Product, and Chervon finds the Product to be defective in materials or workmanship, it will, in its sole discretion, either:

- replace or repair the Product or the defective part of the Product free of charge; or
- cause the Product or the defective part of the Product to be replaced or repaired free of charge.

Chervon reserves the right to replace a defective Product or part of a Product with parts and components of similar quality, grade and composition where an identical part or component is not available. Where the product is repaired, Chervon may use refurbished parts.

WARRANTY CLAIMS

1. If a defect covered by Warranty appears, you must first contact Chervon:
   (a) by telephone on 1300 000 346 (AU); or 0508 000 346 (NZ); or
   (b) by email at support@flex-tools.com.au.
2. Any Warranty claim must be accompanied by:
   (a) proof of purchase;
   (b) full details of the alleged defect;
   (c) photo evidence of the alleged defect; and
   (d) any other relevant documents.
3. You must allow Chervon or its authorised agent to inspect and test the Product. If that inspection and test finds no defect in the Product, you must pay Chervon's usual service and testing costs.
4. Unless otherwise agreed in writing by Chervon, you must pay the cost of transporting the Product to and from Chervon or Chervon's authorised agent and any related insurance cost. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon.
5. The replacement product or part, or repaired product will be made available for your collection at an address nominated by Chervon.
6. Customers are responsible for the care and cleaning of their product prior to sending it to back to Chervon or its nominated authorised repair agents. Any product being sent for repair must be cleaned. It is an Occupational/Work Health and Safety risk for our staff or authorised repairers to inspect, repair or service a product that has come into contact with a hazardous substance.
7. If Chervon or its authorised repair agent is to inspect, repair or service a product that has come into contact with a hazardous substance such as asbestos, silica dust or other hazardous substance then we may not be able to inspect, service or repair the product. If this is the case, Chervon reserves the right to refuse repair under these circumstances and will inform the customer and the product will be returned at the customer's expense.

EXCLUSIONS

The Warranty does not apply if:

(a) the Product is not supplied in its final shape and form by Chervon or an authorised FLEX Dealer, which can be confirmed on the website store locator (for avoidance of doubt, third party online stores such as eBay, Gumtree, Amazon, etc. are excluded);

(b) the Product is altered, modified or repaired by a party other than Chervon or its agent;

(c) the Product is used other than for its designed purpose;

(d) the Product is used for rental purposes

(e) the Product is used or installed other than in accordance with Chervon's instructions;

(f) the Product has not been maintained or protected in accordance with Chervon's instructions;

(g) the Product has been subject to abnormal conditions;

(h) the product suffers normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners.

(i) the Product is involved in an accident;

(j) Chervon cannot find any defect in the Product after testing, inspection and assessment;

(k) the alleged defect is due to abuse, misuse, neglect (including failure to clean) or accident;

(l) the alleged defect is due to a failure to properly maintain or use the Product;
(m)the alleged defect in the Product is within acceptable industry standards or tolerances; or
(n) the alleged defect is due to a request to customise the Product.
(o) the alleged defect is due to normal wear and tear, misuse or abuse (including overloading of the product beyond capacity and exposure to water or rain)
(p) The alleged defect has been used or caused due to continuous industrial use

The Warranty does not extend to:
(a) damage or defects caused by normal wear and tear;
(b) the Products being damaged by you or a third party;
(c) accidental or wilful damage, or misuse; or
(d) theft or vandalism.

This Warranty does not extend to other accessories or attachments.

LIMITATIONS

Chervon makes no express warranties or representations other than as set out in this document. Chervon will not be liable to you or any other person in connection with this Warranty for any:

(a) consequential or indirect loss, damage or costs incurred by you or any other person; or
(b) damage to property, loss of turnover, loss of profits, loss of business or loss of good will.

CONTACT

For Warranty Service or to make a claim please contact Chervon on the details below between the hours of Monday to Friday 9:00am to 5:00pm AEST/NZST (as applicable)

Chervon Australia Pty Ltd
Unit 14, 5 Kelletts Rd, Rowville, VIC. 3178.
Ph Australia; 1300 000 346. Email: support@flex-tools.com.au

Chervon New Zealand Subsidiary Ltd
4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141.
Ph New Zealand; 0508 000 346. Email: support@flex-tools.com.au

WARRANTY TYPE	**LIMITED STANDARD WARRANTY PERIOD**	**LIMITED EXTENDED WARRANTY PERIOD**
CONDITIONS	Without Registration / OR Registration after 30 days from date of purchase	Registration within 30 days from date of purchase
FLEX 24V Power Tools	3 Years	5 Years
FLEX 24V Chargers	3 Years	5 Years
FLEX 24V Lithium-ion Batteries	3 Years	5 Years
FLEX Accessories & Consumables	90 Days	
FLEX STACK PACK™ Storage System	1 Year	

*Original purchaser must register the product(s) within 30 days of purchase and retain their receipt as proof of purchase. This warranty applies only to the original purchaser from an authorised FLEX dealer and may not be transferred. If original purchaser does not register their product within 30 days, the warranty will apply for the duration set out in table above in column “LIMITED STANDARD WARRANTY PERIOD”. For avoidance of doubt please refer to warranty table above and full warranty details in this manual or on our website at www.flex-tools.com.au