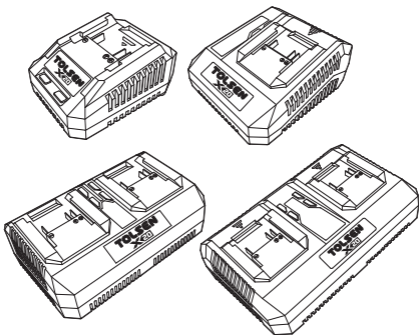


TOLSEN X20

97432/97433/97434/97435 BATTERY CHARGER

INSTRUCTION MANUAL

20V LITHIUM-ION



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty. Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INFORMATION

WARNING

This charger can only be used to charge the batteries which has TOLSEN X20 symbol. If it is used to charge other kinds of batteries, there is a risk of explosion. DO NOT attempt to recharge non-rechargeable batteries.

1. This is class 2 power supply. It is suitable for indoor use only.
2. Before use, the input and output technical data must be checked to secure correct use.
3. Do not use the Battery Charger in the circumstances that the output polarity does not match the load polarity.
4. Do not attempt to use the charger with any batteries other than those supplied.
Keep your battery charger clean; foreign objects or dirt may cause a short or block air vents. Failure to follow these instructions may cause overheating or fire
5. 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.

SPECIFICATIONS

Item No.	97432	97433	97434	97435
Input	110-120VAC 60Hz	110-120VAC 60Hz	110-120VAC 60Hz	110-120VAC 60Hz
Output	21VDC	21.5VDC	21.5VDC	21V.5DC
Charge current	2.0A	4.0A	2.0A+2.0	4.0A+4.0
Max. power	43W	88W	43W+43W	88W+88W

CAUTION: RISK OF ELECTRIC SHOCK, DRY LOCATION USE ONLY FOR INDOOR USE ONLY.

OPERATING INSTRUCTIONS

Setting up the battery charger

1. If there is battery fitted, remove any battery from battery charger first.
2. Insert the Battery Charger mains plug into a suitable mains socket.

Note: The Green LED on the Charger will always bright to indicate that the charger is ready to charge the battery.

Charging the battery

⚠ WARNING

Failure to follow the correct procedure when charging batteries will result in permanent damage.

1. Slide a fully or partially discharged Battery on to the Battery Charger.

Note: Make sure the Battery and Battery Charger are lined up correctly. If the Battery does not slide on to the Battery

Charger easily, don't force it. Instead, remove the Battery, check the top of Battery and the Battery Charger slot are clean and undamaged and that the contacts are not bent.

2. Once charging commences, the Red LED will on.

3. When the Battery is fully charged, the Red LED will off and Green LED will on.

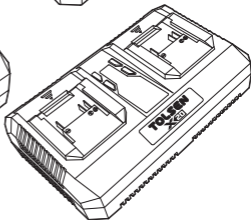
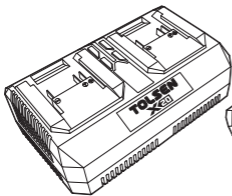
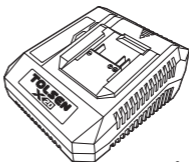
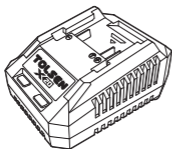
Note:

1. The battery should be charged at ambient temperatures between 5 and 40°C (ideally around 20°C), After charging, allow 15 minutes for the battery to cool before use.

2. The Battery Charger monitors battery temperature and voltage while charging. DO NOT leave batteries on charge for extended periods and NEVER store batteries on charge. Ensure that the charger is disconnected from the mains supply after use.

FULL CHARGING TIME

Charge Battery	97432	97433	97434	97435
97401	50 minutes	27 minutes	50 minutes for 1-2 batteries	27 minutes for 1-2 batteries
97402	65 minutes	35 minutes	65 minutes	35 minutes
97403	90 minutes	50 minutes	95 minutes	50 minutes
97404	125 minutes	65 minutes	125 minutes	65 minutes
97405	155 minutes	80 minutes	155 minutes	80 minutes



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