

CHARGING PROCEDURE

- 1) Plug the charger into an appropriate outlet.
- 2) Place the battery pack into the charger.
- 3) When charging is completed,unplug the charger and remove the battery pack.

WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.





LED INDICATOR		SITUATION
Green	Red	
Blinking light	No light	Stand by
No light	Solid light	Charging
Solid light	No light	Charging is complete
Blinking light	Blinking light	Battery pack is too hot or cold (charging will begin automatically when battery reaches correct charging tem perature)
No light	Blinking light	Damaged or faulty battery pack

Maintenance

Your tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

Technical Data

Technical Data Table

Charger protection class	 /II
Charger input	100-240V~50/60Hz, 35W
Charger output	10.8--14.4V  2000mA
Machine weight	0.275kg
Optional battery	2.0/4.0Ah Samsung Li-ion battery packs
Charging time	1hr for 2.0Ah battery pack 2hr for 4.0Ah battery pack

TOOLPRO
V12 Fast charger

Instruction Manual



















Important - Please read these instructions fully before operating or maintaining your tool

These instructions contain important information that will help you get the best from your tool, ensuring it remains safe to operate.


Safety Information

Important - Please read these instructions fully before starting assembly

Warning Symbols

	To reduce the risk of injury, Please read the instruction manual		
	Warning		
	Wear ear protection		Wear eye protection
	Wear dust mask		Indoor use only
	Do not expose to rain or water		Do not burn
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.		
	Li-ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.		
	Fuse		
	Positive terminal		
	Negative terminal		
	Read the operator's manual		
	Double insulation		
	RCM marking		

General Power Tool Safety Warnings

 **WARNING: Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not 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.

Additional safety instructions for your Battery Charger


- Before charging, read the instructions.
- For charge Li-ion battery pack only.
- Do not charge a leaking battery.
- Do not use chargers for works other than those for which they are designed.
- Before charging, ensure your charger is matching the local AC supply.
- The charging device must be protected from moisture.
- Do not use the charging device in the open.
- Do not short out the contacts of battery or charger.

- Respect the polarity "+/-" when charging.
- Do not open the unit and keep out of the reach of children.
- Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
- Keep battery charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
- When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
- Do not recharge non-rechargeable batteries, as they can overheat and break.
- Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
- Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.

Safety Warnings for battery pack

- Do not dismantle, open or shred cells or battery pack.**
- Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- Do not subject battery pack to mechanical shock.**
- In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes.** If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Seek medical advice immediately if a cell or battery pack has been swallowed.**
- Keep battery pack clean and dry.**
- Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- Do not maintain battery pack on charge when not in use.**
- After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).**
- When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.**
- Recharge only with the charger specified by manufacturer.** Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Do not use any battery pack which is not designed for use with the equipment.**
- Keep battery pack out of the reach of children.**
- Retain the original product literature for future reference.**
- Remove the battery from the equipment when not in use.**
- Dispose of properly.**

Operating Instructions

 **NOTE:** Before using the tool, read the instruction book carefully.

1. CHARGING PROCEDURE

BEFORE PUTTING INTO OPERATION CHARGING THE BATTERY PACK (SEE FIG A)

NOTE:

- The battery in your new tool is not charged when it leaves the plant. Therefore it must be full charged before using the first time.**
- Do not use any charger other than that specifically provided for use with the equipment.
- If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
- Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.