

TOLSEN MP20^V

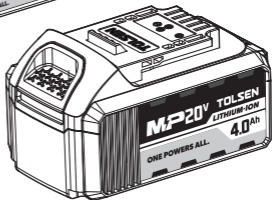
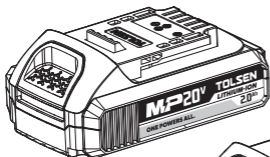
87472/87474

BATTERY PACK

INSTRUCTION MANUAL

20V LITHIUM-ION

CB RoHS



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 battery can only be used in the machines included in the TOLSEN MP20V lithium-ion power platform system.

This battery can only be used cooperatively with the designated battery charger.

Li-Ion batteries, if incorrectly used, stored or charged will cause a fire, burn and explosion hazard.

Failure to follow these instructions may cause overheating or fire.

1. Keep the battery out of reach of children.
2. 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.
3. 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.
4. When not in use batteries should be stored at room temperature. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 40°C (ideally around 20°C) .
5. Ensure that battery contacts cannot accidentally short in storage. Keep batteries clean; foreign objects or dirt may cause a short. Keep away from other metal objects, for example, paperclips, coins, keys, nails and screws.
6. **DO NOT** store lithium-ion battery packs in a discharged state over a long period as this can damage the lithium-ion cells. For long-term storage, store batteries in a high charge state disconnected from the power tool.
7. Batteries can become faulty over time, individual cells in the battery can fail and the battery could short. The charger will not charge faulty batteries. Use another battery, if possible, to check correct functionality of the charger and purchase a replacement battery if a faulty battery is indicated.

8. The capacity of batteries will reduce over time. After 100 charge cycles, the battery's operation time and the maximum torque performance of the driver will slightly reduce. This decline will continue until the battery has minimal capacity after 350 charge cycles. This is normal and not a fault with the battery pack.
10. **DO NOT** open, disassemble, crush, heat or incinerate. Do not dispose of in fire or similar.

SPECIFICATIONS

Item No.	87472	87474
Voltage	20VDC	20VDC
Capacity	2.0Ah	4.0Ah

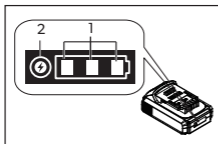


WARNING

The designated battery charger TOLSEN item No.: 87480/87481/87482/87484/87485/87486 which has TOLSEN MP20V symbol.

We recommend to fully charge the battery before use for the first time. A new battery will achieve the best performance after 2 or 3 complete cycles of charge & discharge.

FUNCTIONS

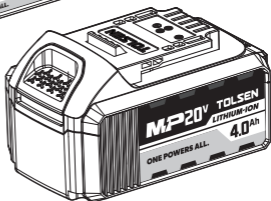
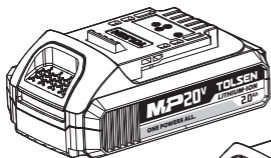


1. Indicator lamps 2. Check button.

Press the check button on the battery pack to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

Indicator lamps	Remaining capacity				
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>Lighted</td> <td>Off</td> </tr> </table>			Lighted	Off	
Lighted	Off				
	75% to 100%				
	35% to 75%				
	5% to 35%				

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.



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